AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
N/A	1	75

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0004	DEC 05 , 2003	N/A	SPEC. NO. 1319_1320

6. ISSUED BY	CODE	7. ADMINISTERED BY *(If other than Item 6)*	CODE
DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922		DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922	

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*	(√)	9A. AMENDMENT OF SOLICITATION NO.
	X	W91238-04-R-0002
		9B. DATED *(SEE ITEM 11)* OCT. 30, 2003
		10A. MODIFICATION OF CONTRACTS/ORDER NO. N/A
CODE FACILITY CODE		10B. DATED *(SEE ITEM 13)* N/A

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*
N/A

NOTE: ITEM 13 BELOW IS N/A.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. N/A
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)* N/A

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Global Hawk Dormitory and Working Dog Kennel
Beale AFB, CA

NOTE: The Receipt of Proposals date has been changed to: December 18, 2003 at 3:00p.m. (PST) Local Time.

2 Encl

1. Revised Pages: SF 1442 (2 pages), Front End (Pages;10, 29, 31,,33,34,35,36,56,211), 01010-4, 01010-8, 01010-11, 01010-17, 01010-53, Section 01012, Section 01120, Section 01320 , Index 01500, 01500-5, 01500-6, 01500-9, 01500-10, Project Signs

2. Revised Drawings: G2.00, V1.04, V1.09, C1.10, C1.30

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY *(Signature of Contracting Officer)*	16C. DATE SIGNED

SOLICITATION, OFFER, AND AWARD *(Construction, Alteration, or Repair)*	1. SOLICITATION NO. W91238-04-R-0002	2. TYPE OF SOLICITATION [ ] SEALED BID (IFB) [X] NEGOTIATED *(RFP)*	3. DATE ISSUED 30-Oct-2003	PAGE 1

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. W62N6M-3240-5050	6. PROJECT NO.

7. ISSUED BY CODE W91238	8. ADDRESS OFFER TO *(If Other Than Item 7)* CODE
USACE SACRAMENTO DISTRICT ATTN: CONTRACTING DIVISION 1325 J STREET SACRAMENTO CA 95814-2922 TEL: FAX:	**See Item 7** TEL: FAX:

9. FOR INFORMATION CALL:	A. NAME CHERYL Y GANNAWAY	B. TELEPHONE NO. *(Include area code)* *(NO COLLECT CALLS)* 916-557-6933

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS *(Title, identifying no., date):*

Global Hawk Dormitory (96 RM) and Working Dog Kennel

Beale Air Force Base, California

SPECIFICATION NO. 1319/1320

JOB DESCRIPTION: The Global Hawk Dormitory (96 RM) project is a Design/Build procurement to design and construct a 3-story dormitory (96 RM) with reinforced concrete foundation and floor slabs, masonry walls, standing seam metal roof, utilities, fire detection/protection, site improvements, landscaping, access road, sidewalks, special foundations, communication support and demolition of old kennel. Project includes construction of a new kennel, which is 100% designed. Force protection standards are included.

This is a design/build project; the offeror chosen will complete the design and construct the facility. The acquisition method is negotiated procurement. A technical and cost proposal will be required. Evaluation by the Government will result in selection of a firm that represents the best advantage to the Government.

ESTIMATED COST RANGE OF PROJECT: $10,000,000 - $25,000,000

ANY CONTRACT AWARDED UNDER THIS SOLICITATION WILL BE MADE PURSUANT TO PUBLIC LAW 100-656, SMALL BUSINESS COMPETITIVENESS DEMONSTRATION PROGRAM.

11. The Contractor shall begin performance within 10 calendar days and complete it within ***480*** calendar days after receiving [ ] award, [X] notice to proceed. This performance period is [X] mandatory, [ ] negotiable. *(See* FAR 52.211-10 *.)*

12 A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? *(If "YES," indicate within how many calendar days after award in Item 12B.)* [X] YES [ ] NO	12B. CALENDAR DAYS 10

13. ADDITIONAL SOLICITATION REQUIREMENTS: * See Section 00110

A. Sealed offers in original and _____*__ copies to perform the work required are due at the place specified in Item 8 by 3:00 p.m. *(hour)* local time ***18 DEC 2003*** *(date).* If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee [X] is, [ ] is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

D. Offers providing less than 90 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

SOLICITATION, OFFER, AND AWARD

(Construction, Alteration, or Repair)

OFFER ***(Must be fully completed by offeror)***

14. NAME AND ADDRESS OF OFFEROR *(Include ZIP Code)*	15. TELEPHONE NO. *(Include area code)*
	16. REMITTANCE ADDRESS *(Include only if different than Item 14)*
CODE / FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. *(Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)*

AMOUNTS	SEE SCHEDULE OF PRICES

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER *(Type or print)*	20B. SIGNATURE	20C. OFFER DATE

AWARD ***(To be completed by Government)***

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA

24. SUBMIT INVOICES TO ADDRESS SHOWN IN *(4 copies unless otherwise specified)*	**ITEM**	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO ☐ 10 U.S.C. 2304(c) ☐ 41 U.S.C. 253(c)
26. ADMINISTERED BY CODE		27. PAYMENT WILL BE MADE BY: CODE

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT *(Contractor is required to sign this document and return _____ copies to issuing office.)* Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.

☐ 29. AWARD *(Contractor is not required to sign this document.)* Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN *(Type or print)*	31A. NAME OF CONTRACTING OFFICER *(Type or print)* TEL: EMAIL:
30B. SIGNATURE / 30C. DATE	31B. UNITED STATES OF AMERICA BY / 31C. AWARD DATE

Section 00100 - Bidding Schedule/Instructions to Bidders

52.0214-4581 INQUIRIES (NOV 2002)

Prospective offerors should submit inquiries related to this solicitation in accordance with the following (collect calls will not be accepted):

(1) For information related to ordering solicitation packages, amendments, the dates set for receipt of proposals, and for copies of the solicitation mailing list, please check our website at the following URL: http://ebs.spk.usace.army.mil If the site is temporarily unavailable, please FAX your inquiry to our Plan Room at (916) 557-7842

(2) For inquiries of a contractual nature (solicitation requirements, interpretation of contractual language):

Contract Specialist: Cheryl Gannaway
Telephone: (916) 557-6933
FAX: (916) 557-5278

(3) All technical questions on the specifications or drawings must be submitted in writing using one of the following:

MAILING ADDRESS:
Department of the Army
U.S. Army Engineer District, Sacramento
Contracting Division (Attn: Cheryl Gannaway)
1325 J Street
Sacramento CA 95814-2922

FAX: (916) 557-7854, Attn: Cheryl Gannaway

E-MAIL: Cheryl Y. Gannaway@usace.army.mil, Patricia.B.Trainer@usace.army.mil and Wanda.W.Corry@usace.army.mil.

(4) Please include the solicitation number, the project title, the location of the project, the full name of your company and your telephone and FAX numbers in your correspondence. Written inquiries should be received by this office not later than 14 calendar days prior to the date set for receipt of offers.

(5) Oral explanations or instructions are not binding. Changes to the solicitation can only be made by an amendment to the solicitation.

52.0215-4582 ALT I DIRECTIONS FOR SUBMITTING OFFERS (MAR 2003)

Envelopes/packages containing offers must be sealed, marked and addressed as follows:

MARK ENVELOPES/PACKAGES:

Solicitation No.	W91238-04-R-0002
Closing Date:	***18 DEC 2003***
Closing Time:	3:00 PM Local Time

ADDRESS ENVELOPES/PACKAGES TO:

Department of the Army
U.S. Army Engineer District, Sacramento
ATTN: Contracting Division
1325 J Street
Sacramento CA 95814-2922

6. SPECIFIC INSTRUCTIONS FOR THE TECHNICAL PROPOSAL

a. Number of Sets of the Technical Proposal

Submit the original and ~~six~~ ***eight*** additional sets of the written Technical Proposal, with each set separately packaged. ***In addition, submit one complete copy of the technical proposal on Compact Disk (CD) using a "searchable" .pdf file format.***

b. Format and Contents of the Technical Proposal/List of Tabs

The original and all copies of the technical proposal will be appropriately labeled as such. Each set shall be organized using the tabs specified in the following chart. **These *main* tabs directly correlate to the evaluation factors identified in Section 00120.**

Note: The information provided under Tab #3 and Tab #4 will be used in conjunction with the evaluation of both experience and past performance.

TAB 1: DESIGN-BUILD MANAGEMENT APPROACH

1. KEY PERSONNEL AND KEY SUBCONTRACTORS

a. The offeror is required to propose a specific design-build project team including key personnel and key subcontractors, if any, for evaluation in response to this Request for Proposals.

b. For the purposes of this procurement, a key person is defined as any person whose resume is submitted for evaluation as part of the Offeror's technical proposal. The individuals occupying the following positions are considered by the Government to be the key personnel for this project:

Design Project Manager;

Project Architect;

Interior Designer;

Construction Project Manager;

Construction Project Superintendent;

Construction Quality Control System Manager.

Contractor Scheduling Representative

c. A key subcontractor is defined as any subcontractor whose experience and past performance record is evaluated as part of the Offeror's technical proposal.

d. The Offeror's attention is directed to the clause in Section 00800 titled "Key Personnel, Subcontractors, and Outside Associates or Consultants".

2. SUBMISSION REQUIREMENTS:

a. Page, Size, and Format Limitations:

The Offeror is required to describe its approach to the organization and management of this design-build project. Unless otherwise specified below, the submission may include both narrative and charts/graphics. There is not an overall page limitation for the submissions under this tab. However, pages that are narrative only must not exceed 8 ½" x 11". Pages with charts or graphics must not exceed 11" x 17".

b. Design-Build Organization Chart(s)

Provide an organizational chart for this project that graphically illustrates the offeror's project team for this design-build project. At the option of the offeror, separate charts may be submitted for the design and construction phases of the contract. The chart(s) should:

(1) Identify the prime contractor and the key subcontractors;

(2) Identify all proposed key personnel by name, position, and employer under the prospective contract;

(3) Identify the registered designer(s) of record*; and

Additionally, any assessment of liquidated damages will be based on the shortened schedule accepted by the Government.

(b) In accordance with 10 U.S.C. 2858, funds appropriated for military construction may not be expended for additional costs involved in expediting a construction project without Secretarial level approval. Therefore, if the Offeror proposes a completion period of lesser duration than the performance period on the SF 1442, the following statement completed by the Offeror and duly executed with an original signature by an official authorized to bind the company must be included in the technical proposal under this Tab. Failure to include this signed statement may render an offer which proposes a completion period of lesser duration ineligible for contract award.

OFFEROR'S STATEMENT OF COMPLIANCE WITH 10 U.S.C. 2858

[*Insert name of the Offeror*] hereby proposes that the period of performance for all design and construction is _____calendar days from Notice to Proceed, inclusive of Government review periods and Government phasing requirements specified.

[*Insert name of the Offeror*] hereby states that the offer of this performance period is at **no additional cost** to the Government over the performance period specified on the SF 1442. Specifically, the shortened performance period will not be achieved by the use of overtime, multiple shifts, or additional personnel nor does it include expedited materials handling/shipping costs.

I understand that making a false, fictitious, or fraudulent statement may subject me to prosecution under Title 18, United States Code, Section 1001.

SIGNATURE OF AN OFFICIAL AUTHORIZED TO BIND THE COMPANY

f. The contractor shall complete the "Beale Dorm Activity Plan", which has been included, to demonstrate his understanding of the contract scheduling and phasing requirements. While completing this form, the Contractor shall incorporate the specific schedule and phasing requirements that have been provided in this contract, such as those provided in Sections 01012, 01120 and 01320. In addition, the Contractor shall provide a narrative of his specific calendar for these activities. (e.g., whether he will be working 7 days per week, double shifts, and/or extended hours for certain activities.)

BEALE DORM - PRELIMINARY DESIGN AND CONSTRUCTION ACTIVITY PLAN

EVENT	BASIS/ CRITERION	DAYS AFTER NTP
NTP		
Pre-Construction Conference		
Pre-Work Conference		
Contractor Submits NAS for Design Portion		
Design Conference: Design Charette		
Contractor Initiates Design		
Submittal Of Permits		
Submittal Of Preliminary Design (60%) for Civil and Structural		
Government Review of Preliminary Design (60%) for Civil And Structural		
Design Review Conference of Preliminary Design (60%) for Civil And Structural		
Submittal of Final Design (100%) for Civil And Structural and 60% Design for Electrical/Mechanical and Architectural/Interior		
Government Review of Final Design (100%) for Civil and Structural and 60% Design for Electrical/Mechanical and Architectural/Interior		
Final Design (100%) Review Conference for Civil and Structural and 60% Design for Electrical/Mechanical and Architectural/Interior		
Contractor Incorporates Comments from Final (100%) Review for Civil and Structural and 60% Design for Electrical/Mechanical and Architectural/Interior and Submits to Government		
Government Backcheck Review of Corrected Final Design (100%) for Civil and Structural and 60% Electrical/Mechanical and Architectural/Interior. Government Notification for Start of Civil and Structural Construction		
Contractor Submits NAS for Construction		
Submittal of 100% Design for Electrical/Mechanical and Architectural/Interior		
Government Review of 100% Design for Electrical/Mechanical and Architectural/Interior		
Review Conference for 100% Design for Electrical/ Mechanical and Architectural/Interior		
Contractor Incorporates Comments from 100% Design for Electrical/Mechanical and Architectural/Interior and Submits Corrected 100% Design to Government		
Government Backcheck of corrected 100% Design for Electrical/Mechanical and Architectural/Interior. Government Notification for Start of Construction of Electrical/Mechanical and Architectural/Interior.		
Revision of NAS for Construction		
Completion of Construction		
Total Number of Days on Contract		

TAB 2, KEY PERSONNEL QUALIFICATIONS

The individuals occupying the following positions are considered by the Government to be the key personnel for this project:

Design Project Manager;

Project Architect;

Interior Designer;

Construction Project Manager;

Construction Project Superintendent; and

Construction Quality Control (CQC) System Manager.

Contractor Scheduling Representative

Submit the qualifications of each person proposed for a key position in resume format. Submit the qualifications of only one person for each key position. Each resume is limited to five 8 ½" x 11" pages. Begin the information about each key person on a new page. Required documentation (e.g., course certificates, copies of diplomas, or copies of professional registration/license) is excluded from the page limitation.

The Offeror is not precluded from using the same person in more than one capacity, provided that the duties of the position do not prohibit the person from serving in more than one capacity. If a person is proposed for more than one key position and only one resume is submitted, the resume must clearly demonstrate the qualifications of that person for all proposed positions. At the discretion of the Offeror, separate resumes may be submitted.

A sample format is provided to illustrate the level of detail desired by the Government. Use of the sample format is encouraged but is not mandatory. However, if you choose to use an alternate format, you are cautioned that failure to provide detailed, specific information relevant to this procurement could result in a lower rating.

NOTES:

1. Substitution of Key Personnel: The Offeror's attention is directed to the clause titled "Key Personnel, Subcontractors, and Outside Associates or Consultants" located in Section 00800, Special Contract Requirements.

2. Minimum Qualification Criteria: Your attention is specifically directed to the following specification sections which specify the minimum qualification criteria for the following positions:

Interior Designer: Section 01010
CQC System Manager: Section 01451
Construction Project Superintendent: Section ~~01505~~ ***01451***
Contractor Scheduling Representative: Section 01320

3. Special Areas of Interest: The Government is particularly interested in the experience of the proposed key personnel on projects that are similar in terms of size, scope, dollar value, and/or complexity.

SAMPLE RESUME FORMAT

1. The individual's name and the proposed key position:

2. The total cumulative number of years the individual has worked in the proposed position:

3. Availability:

Design Phase: ____Full-time _____Less than Full-time _____N/A
Construction Phase: ____Full-time _____Less than Full-time _____N/A

4. The proposed person [ ] will [ ] will not
be an employee of the prime contractor.

5. The proposed person [ ] is a U.S. citizen [ ] is not a U.S. citizen *

6. ~~5.~~ The proposed person [ ] will [ ] will not
have additional duties and responsibilities other than in the capacity specified above.

7. ~~6.~~ **Individual's relevant education*:*** *(Specify Degree/Year/Specialization and attach copy of diploma)*:

8. ~~7.~~ **Individual's active registration:** *(Specify State, Year, and Discipline and attach a copy of current registration)*:

9. ~~8.~~ **Relevant Specialized Training:** *(Important Note: for the Construction Quality Control System Manager, a certificate showing completion of the Government course "Construction Quality Management for Contractors" must be attached to the resume. The completion certificate must not have expired as of the date of offer submission.)*

10. ~~9.~~ **Individual's specific qualifications and experience relevant to this project:**

(Provide any other information pertaining to the qualifications of this person for this project not specifically addressed above that directly relates to this person's qualifications for the position (for example, prior design-build experience, prior experience with projects on military installations , and prior experience on projects administered by the Corps of Engineers). A complete list of the individual's prior experience is neither required nor desired; however, sufficient information (including verifiable dates of employment) must be furnished to fully substantiate that the proposed person meets any minimum experience requirements specified in the RFP for the position. When providing project information, provide sufficient detail to establish the relevancy of the experience to this acquisition.)

11. ~~10.~~ **Letter of Commitment:** *(The Offeror is requested to attach a letter of commitment signed by the proposed key person stating his or her intent to work on this project in the specified capacity if the Offeror is awarded the contract. This letter is not included in the page limitation.)*

12. ~~11.~~ **Relevant Letters of Appreciation:** *(If the proposed key person received letters of appreciation, commendation, recommendation, etc. in conjunction with work in the same capacity on a relevant project, so indicate and attach copies. If the relevance of the project to this acquisition is not clear, explain. This attachment is not included in the page limitation. Note: The Government is not requesting the Offeror to submit letters written "after the fact" for the purpose of this solicitation.)*

**** NOTE: If proposed person is a foreign nation (e.g., not a U.S. citizen), and the offer is selected for contract award, documentation verifying that the person was legally admitted into the United States and has authority to work in the U.S. must be provided in accordance with 52.204-4003 (see Section 00800).***

SAMPLE OF LETTER TO BE SENT BY THE OFFEROR TO ITS REFERENCES
***IF** A FORMAL PERFORMANCE EVALUATION IS NOT INCLUDED IN THE TECHNICAL PROPOSAL*

Date

Name and Address of Reference

Dear _____:

The U.S. Army Corps of Engineers, Sacramento District, is conducting a past performance review of our firm's past performance as part of an upcoming source selection acquisition.

Your name was given by to the Government as a reference of our past performance on the following contracts with your agency/firm:

(INSERT LIST)

Please complete the attached questionnaire(s) to aid the Government in its evaluation of our past performance and FAX it directly to the Corps of Engineers, ATTN: Cheryl Gannaway, at (916) 557-5278/7854. Or, if you prefer, you may contact the contract specialist listed below to provide the information verbally. The Corps has requested receipt of this information by close of business on ***December 18, 2003,*** as their evaluation will commence shortly thereafter.

You are advised that it is Government policy that the identity of sources providing past performance information will not be released outside the Government.

We appreciate your efforts to help the Government fairly evaluate our past performance. Should you have any questions related to this matter, please contact the Government's contract specialist for this project, Cheryl Gannaway, at telephone (916) 557-6933.

Sincerely,

Offeror's Signature

Attachments

requirements concerning "RESPONSIBILITY OF THE CONTRACTOR FOR DESIGN", "WARRANTY OF DESIGN" and "WARRANTY OF CONSTRUCTION WORK". These requirements vest in the Contractor complete responsibility for the professional quality, technical accuracy, and coordination of all design, drawings, specifications and other work or materials furnish by his in-house or consultant forces. The Design-Build Contractor must correct and revise any errors or deficiencies in his work, notwithstanding any review, approval, acceptance or payment by the Government. The Contractor must correct and change any work resulting from his defective design at no additional cost to the Government. The requirements further stipulate that the Design-Build Contractor shall be liable to the Government for the damages to the Government caused by negligent performance. Though not a mandatory requirement, this is to recommend that the Design-Build Contractor investigate and obtain appropriate insurance coverage for such liability protection.
(End of Clause)

TRAINING - FEB 2000

The Contractor shall provide operational and maintenance training for all systems furnished under this contract for the operating and maintenance personnel. The system manufacturer shall conduct the training, where feasible. All operation and maintenance manuals shall be submitted and approved prior to conducting the training and shall be used during training. The Contractor shall videotape the training session on VHS tapes and provide the tapes to the Government.
(End of Clause)

DESIGN CONFERENCES – AUG 1997

(a) Pre-Work: As part of the Pre-Work Conference conducted after contract award, key representatives of the Government and the Contractor will review the design submission and review procedures specified herein, discuss the preliminary design schedule and provisions for phase completion of the D-B documents with construction activities (fast tracking), as appropriate, meet with Corps of Engineers Design Review personnel and key Using Agency points of contact and any other appropriate pre-design discussion items.

(b) Design Charette: ~~After award of the contract~~ ***No later than 7 days after Notice to Proceed***, the Contractor shall visit the site and conduct extensive interviews, and problem solving discussions with the individual users, base personnel, Corps of Engineers personnel to acquire all necessary site information, review user options, and discuss user needs. The Contractor shall document all discussions. The design shall be finalized as direct result of these meetings.

(c) Design Review Conferences: Review conferences will be held on base for each design submittal. The Contractor will bring the personnel that developed the design submittal to the review conference. The conferences will take place the week after the review is complete.
(End of Clause)

2. SUMMARY DESCRIPTIONS

The Global Hawk Dormitory is a single 3,259 square meter (35,076 square foot), three story building designed as an integrated structure that supports the major Air Force objective of providing unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well-being. Room unit modules will conform to the new quad concept initiated in the latest Air Force Enlisted Dormitory Design Guide and will provide private sleeping and bathroom accommodations for each resident with a shared central social space, kitchen, and laundry. The facility will house 96 occupants. Interior construction will be gypsum board dry wall, CMU walls, and gypsum board and acoustical ceilings. Room unit modules will be accessed by an exterior balcony and stairs. The facility will have load bearing, split face CMU walls, precast concrete plank with concrete topping floors and decorative stucco panels with standing seam metal roofs to emulate neighboring structures.

2.1 **Proposed Siting Summary and Project Phasing.** The new Global Hawk Dormitory is sited near the existing Military Working Dog Kennel and existing dormitory 24114. Due to the scope of this project, the Military Working Dog Kennel shall be relocated as indicated on separate drawings in this contract. The new Kennel has been completely designed to allow its immediate construction while design work on the Global Hawk Dormitory progresses. On completion of the new Kennel, following beneficial occupancy of the Military Working Dog unit, the existing Kennel building and training yards shall be demolished, and the site cleared in preparation for the construction of the new Global Hawk Dormitory. The project will include site grading and utility extensions as described hereinafter. A parking lot with entry/exit is designed ~~for a minimum of 125 P.O.V.~~ ***per paragraph 5.1.***

2.1.1 Total Project Duration is 480 Calendar Days, see Work Phase Summary, Section 01120 for description of work phases and durations.

2.2 **Building Construction Summary:** This project will conform to ACC Architectural and Interior Design Standards and Force Protection Standards, and will be new construction featuring a three story design with split face CMU walls, rowlock course accent bands, and standing seam metal roofs. The building is organized into functional areas in an “L” shape to develop an exterior courtyard. At the apex of the “L”, a common area will be provided on the first floor, with stacked supporting service rooms on the other two floors, including: manager’s office, supply and bulk storage, elevator, common kitchen, vending and multipurpose space, and utility support systems.

2.3 **Proposed Plan Relationship Summary:** By virtue of its proposed location, and the functions housed within, circulation around and inside the building plays a key role in the development of its design and the overall appearance. A main balcony/corridor spine allows for easy access to the individual room unit modules arranged along the legs of the “L”. Public, handicap accessible restrooms are centrally located in the ground floor Common Area. A full function kitchen is provided in the Common Area to support group activities and features full size cooktop stove and oven, dishwasher, and sink with garbage disposal. Exterior areas are developed in a courtyard created by the mass of this new building and the existing dormitories on site for extended indoor/outdoor morale building activities. All functions of the dormitory are located at the minimum required setbacks from adjacent parking lots for force protection.

5. CIVIL DESIGN

5.1 **General.** The project consists of design and construction of a Global Hawk Dormitory as located on the Project Location Map. The civil portion of the project includes grading, paving, curb and gutter, storm drainage, utilities, and design of a parking lot with a minimum of ninety six (96) parking spaces ***plus*** ~~with~~ the accessible spaces (for visitors with disabilities) in accordance with the Uniform Federal Accessibility Standards (UFAS) and the Americans with Disabilities Act (ADA) Accessibility Guidelines.***In addition, provide a parking area for 12 motorcycles.*** Included in the utilities shall be the sanitary sewer service, domestic water service, fire hydrant water line, natural gas service, electrical power service, and telephone service improvements for the new facility.

5.2 **Site.** The work at this site consists of design and construction of the Global Hawk Dormitory.

5.3 **Technical Criteria and Standards.**

1. AFM 88-5, Chapter 4, Drainage Areas for Other Than Airfields, latest edition.
2. AFM 88-10, Volume 1, Water Supply, Sources and General Considerations.
3. AFM 88-10, Volume 5, Water Supply, Water Distribution.
4. AFM 88-11, Volume 1, Sanitary and Industrial Wastewater Collection - Gravity Sewers and Appurtenances.
5. AFM 88-11, Volume 2, Sanitary and Industrial Wastewater Collection – Pumping Mains and Force Mains.
6. UFC 2-600-01, Installation Design Guide.
7. AFMAN 32-1071, Volume 3, Security Engineering, Final Design.
8. Beale Air Force Base Facilities Design Standards.
9. AFM 88-7, Chapter 5, July 1987, General Provisions and Geometric Design for Roads, Streets, Walks, and Open Storage Areas.
10. UFC 3-600-01, Fire Protection for Facilities Construction.
11. National Fuel Gas Code, NFPA 54 - latest version.
12. Uniform Federal Accessibility Standards, Federal Register.
13. Manual of Uniform Traffic Control Devices, US Department of Transportation, FHWA.

5.4 **Project Site Field Survey.** A preliminary field survey of the Global Hawk Dormitory is included on the survey sheets in the RFP documents. This survey is including surface features (sidewalks, parking lots, curb and gutters, utility poles, transformers, valves, manholes, landscaping, foundations, etc.), topographical contours and underground utilities visible on the ground surface. Contractor shall perform additional survey as required.

5.5 **Project Benchmark.** The project benchmark is located on the survey sheets.

5.6 **Site Demolition.** Military Working Dog Kennel and training yards, concrete slab removal, curb and gutter, asphalt pavement removal, fencing removal, underground piping, and clearing and grubbing of entire site. The existing Military Working Dog Kennel shall remain in operational until the construction of the new kennel near the Base Medical Clinic is completed.

5.6.1 **Waste Disposal.** Project demolition and construction waste shall be disposed of off base at a location approved by the Contracting Officer. The closest off base landfill is Ostrom Road Landfill located approximately 5 km south of the base.

5.6.2 **Haul Route.** The Contractor Haul Route shall be through the Main Gate at Gavin-Mandery Drive approximately 6 km from the new Dormitory, or the Wheatland Gate at J Street about 5 km from the new Dormitory.

5.6.3 The Wheatland Gate is presently open only from 0600 to 0800 hours and 1600 to 1800 hours, Monday through Friday, and closed on Federal Holidays. Gate hours are subject to change by the

5.11.4 **Sidewalk.** Sidewalk shall be at least 5 feet wide as required by the Uniform Federal Accessibility Standards and constructed as shown on the Preferred Site Plan and the Landscape Layout. Sidewalk providing access to a building shall be centered on the doorway served.

5.11.4.1 **Handicapped Access.** Handicap parking spaces and van accessible spaces shall be designed per Americans with Disabilities Act (ADA) standards in the new parking lot. Concrete curb and concrete curb and gutter shall be incorporated into the parking lot design. Extruded curbs are not allowed. Handicap ramps shall be provided and an ADA accessible route must be designated.

5.11.5 **Pavement Marking.** Design and provide pavement markings. See the Site Plan for the required striping. Striping shall be 100 mm (4 inches) wide white paint.

5.11.6 **Dumpster Pads.** A dumpster pad shall be provided for the Facility as indicated on the Landscape Layout. The pad shall be enclosed on three sides by integrally colored, split-face concrete masonry units that are compatible with the Beale Air Force Base Facilities Design Standards. The Contractor shall determine the number of bins required for a building of this size and function. Provide swinging gates to screen dumpsters from view; chain link gates are not acceptable. Gates are to be constructed of prefinished metal panels on hinged steel tube frames. A concrete pavement approach slab, 4.6 m (15 feet) long, shall be placed at the access to the waste bin.

5.12 **Contractor Storage Yard.** The Contractor storage yard and trailer location shall be located within the future parking area. See Preferred Site Plan C1.20.

5.13 **Storm Runoff and Drainage.**

5.13.1 **Storm Runoff.** Storm runoff shall be calculated using the US Army Corps of Engineers (USACE) criteria. The storm frequency for the collection system shall be the 10-year storm and for surface drainage design shall be the 100-year storm. The Intensity-Duration-Frequency Curve for Beale Air Force Base is included in the USACE criteria.

5.13.2 **Existing/New Storm Drainage System.** The existing site generally drains from the northeast to southwest. Ponding will not be permitted on site. The Contractor shall perform a complete analysis taking into consideration existing and proposed conditions using the USACE criteria and design an acceptable surface or underground storm drainage system to handle the increase in storm water runoff. Additional curb inlets shall be constructed in accordance with AFM-88-05, matching existing at Beale Air Force Base. Should a new storm drainage pipe system be required, the pipe should be designed to provide a minimum velocity of 0.76 m/sec (2.5 ft/sec). Storm drainpipes shall be verified and/or sized by computation of backwater surface profiles. The minimum pipe size ***for the primary drain pipes that connect to hydraulic structures (inlets, manholes, etc)*** shall be 460 mm (18 inches). ***All storm drain pipes shall be sized as required by hydraulic design computations.*** Calculations for the flows shall utilize a value no greater than 0.013 for Manning's "n" factor. New manholes shall be provided where required to route the system around the building footprint if required. Manholes shall be constructed in accordance with BCE Standard, matching existing at Beale Air Force Base.

5.13.3 **Roof Drainage.** The Contractor shall make provisions for roof drainage from the Global Hawk Dormitory. Runoff from downspouts shall be connected to the existing storm drainage system using underground storm piping and shall be included in the design of the storm drainage system. The storm drainage system may include but not limited to, sidewalk drains, drop inlets, curb inlets, pipes, culverts, earth swales, concrete lined channels, splash blocks, etc.

5.13.4 **Storm Drain Line Materials.** Piping for storm drainage shall be industry standard for the drainage of commercial facilities. Examples of acceptable piping material are: polyvinyl chloride (PVC) pipe, acrylinitrile-butadiene-styrene (ABS) pipe, non-reinforced concrete pipe, reinforced concrete pipe, and corrugated metal pipe. Installation shall be per manufacturer's instructions. Drain structures such as curb inlets, catch basins, and manholes shall be pre-cast. Rims, covers and grates for drain structures shall be rated for H-20 traffic loading in traffic areas. Minimum design velocity of storm water underground systems shall be 0.76 m/sec (2.5 ft/sec).

site amenities. The rack shall be designed to be permanently installed in ground within each stair well.

5.17.9.5 **Barbeque Grill.** Barbeque grills shall be stainless steel with a grilling area of ~~24"~~ 610 mm X 1220 mm (24" x 48"). Grill shall be mounted on a concrete pad. ***The grilles are to be charcoal burning grilles.***

5.17.10 **Hardscapes.**

5.17.10.1 **Walkways.** Walkways leading to/from major entrances of the building and within the courtyard shall be constructed using stamped colored concrete and integral colored concrete edging. The concrete finish, color and pattern shall match or complement architectural and natural features of the site and surrounding area and shall meet base standards. All other walkways will be constructed of standard non-colored, broom-finished concrete. Subgrade and expansion joints as per soils engineer specification to allow for vehicle loads where necessary.

the following paragraph "Shear Diaphragm Design". The steel roof deck shall have nested sidelaps. Interlocking sidelap decking is not allowed.

8.9 **Lateral Shear Diaphragm Design.**

8.9.1 **Steel Deck Diaphragms.**

8.9.1.1 Steel deck diaphragms for both wind-controlled and seismic-controlled designs shall be designed in accordance with SDI Specifications and UFC 1-200-01. The selected deck thickness, deck section properties and fastening requirements shall be placed on the drawings.

8.9.1.2 Self-tapping screws and powder actuated and pneumatic fasteners are not allowed for deck fastening to supporting members. Fusion welds of 5/8-inch diameter shall be used for the attachment of the deck to supporting members and to support members parallel with the direction of the deck flutes. Self-tapping screws shall be used for the sidelap attachment of the steel deck.

8.9.1.3 The lateral deflection of steel deck diaphragms that furnish lateral support for masonry walls shall be checked against the allowable wall deflection for masonry as previously specified. See UFC 1-200-01 for the computation of the allowable deflection for masonry walls.

~~8.9.2 **Cast-In-Place Concrete Roof Diaphragms (Arms Vault).** For seismic designs, the criteria listed in TI 809-04 shall be followed. These criteria may also be used as a guide in designing diaphragms for wind-controlled designs. Concrete diaphragms shall be designed as "rigid" diaphragms.~~

8.9.3 **Roof Diaphragms.** For seismic designs, the criteria listed in ~~TI 809-04~~ ***UFC 1-200-01*** shall be followed. These criteria may also be used as a guide in designing diaphragms for wind-controlled designs. Roof diaphragms without concrete fill shall be designed as "flexible" diaphragms.

8.10 **Walls and Partitions.**

8.10.1 **Lateral Loads.** Masonry walls shall be designed to withstand wind and/or seismic lateral loads while spanning vertically from floor to roof or horizontally between columns, pilasters or intersecting walls. The wall components design wind load shall be determined from the worst possible combination of exterior and interior pressures (either inward or outward) and other provisions of ASCE 7. Seismic loads for structural and architectural components shall conform to UFC 1-200-01. Interior partitions shall be designed to withstand seismic forces due to its self-weight or 10 pounds per square foot, whichever is greater, and can span either vertically or horizontally. If spanned vertically, partitions must be supported at the top of the wall by the roof or floor structural components.

8.10.2 **Masonry Walls.**

8.10.2.1 Masonry walls and partitions shall be designed in accordance with UFC 1-200-01; masonry walls that participate in the lateral force resisting system must be seismically detailed as "special reinforced masonry shear walls".

8.10.2.2 Specify and design for Type "S" mortar. The mortar shall contain the manufacturer's recommended amount of liquid polymeric integral water repellant mortar admixture for water repellency and assure proper bond strength. Masonry cement mortar shall not be used. Mortar shall have a minimum f'm = 1800psi (12.41 MPa).

8.10.2.3 For design of the masonry use a minimum of f'm - 1,500 pounds per square inch (10.34 MPa).

8.10.2.4 Masonry units shall have a minimum 28-day compressive strength of 1,900 pounds per square inch (13.10 MPa) on net area. Grout shall have a minimum f'm = 2000 psi (13.79 MPa). Fill all CMU cells with grout.

SECTION 01012

DESIGN AFTER AWARD

SECTION 01012

DESIGN AFTER AWARD

1. SUBMISSION OF CONSTRUCTION DRAWINGS, SPECIFICATIONS AND DESIGN ANALYSES: The contractor shall follow the design submission requirements as listed below. In addition, the contractor shall comply with other design submission requirements as listed and required in other areas of the RFP.

1.1. SUBMITTAL CERTIFICATIONS:

1.1.1. The Contractor***'s Designer of Record*** shall certify in each design submittal (by cover letter on the respective submittal) that all items submitted in the documents (after construction award) comply with the contract. This certification shall be included on each sheet of the working drawings.

1.1.2. Every design submittal shall be accompanied with a letter from each sub-contractor/supplier having direct construction/materials/equipment defined within the submittal. The purpose of the letter is to bring together and coordinate the designers and the sub-contractors slated to accomplish the work and the suppliers of the material and equipment. Each sub-contractor and supplier shall briefly state their involvement in the preparation of the submittal, their proposed activity during the design-build contract associated with the contents of the submittal, and state the design is appropriate for their related field and appropriate for their capabilities/expertise. Each letter shall be on the sub-contractor's/supplier's letter head and signed by a principal of the firm.

1.2. The criteria specified in this Contract are binding contract criteria and in case of any conflict, after award, between the Contract and Contractor's submittals, the Contract will govern unless there is a written and signed agreement between the Contracting Officer and the Contractor waiving a specific requirement.

1.3. Deviations from the Contract technical requirements (shall be identified in the cover letter on the respective submittal) may be considered by the Government, and where appropriate, may be specifically approved by the Contracting Officer. ***Deviations from the Contract requirements must be requested as early as possible and at least 60 days prior to the 100% final design submission.*** Deviations from the Contract technical requirements shall not be assumed or considered approved unless specifically approved by the Contracting Officer in writing. Such deviations, when not specifically approved by the Contracting Officer or when subsequently found at any time during the contract, shall be corrected by the Contractor at no additional time or cost to the Government. It is the Contractor's responsibility to clearly note features/aspects in his design or construction that are deviations to the contract requirements. The Contractor shall not assume silence on these issues by the Government to be a sign of acceptance.

1.4. The Government has supplied minimal but sufficient topographic and geotechnical information to understand the basic site conditions. Additional topographic, final geotechnical and HAZMAT Evaluation information maybe required and is the responsibility of the Contractor and considered engineering services after contract award. These services shall be procured and paid for by the successful proposer; this information shall be the basis for design of the topographic features and controls for the project.

1.5. The Contractor shall verify field conditions that are significant, by field inspection, field exploration, and researching and obtaining all necessary as-built drawings and reproducing them for his/her own use, while discussing status with knowledgeable personnel. The information shall be reflected in the documents.

1.6. The Contractor shall coordinate meeting(s) with the Contracting Officer to further discuss the requirements herein. The meeting(s) shall be attended by the Air Combat Command, Base Civil Engineer Staff/Representative, and with the facility End-User. The Contractor has the responsibility to establish the design of the project in accordance with the contract. The meeting(s) is intended to allow the Contractor an opportunity to discuss, clarify, and obtain an understanding, in a face-to-face setting, on issues, opportunities, or mission restraints still in question. The spirit of this meeting is not intended to adjust the contract in any manner but rather to allow the Contractor/Customer relationship to begin and grow. This meeting can be

associated with a partnering session or can be a stand-alone meeting but needs to occur early in the design phase of the contract.

1.7. Not Used.

1.8. The drawing file numbers for this project are 131-25-1333 and 131-25-1334. The specification numbers are 1319 and 1320**.** The drawing file number for the topographic survey drawings is 131 -13-1345 and 131-13-1340 (to be located in the lower-right corner in the border; the -XXXX number shall continue to reside in the title block for the sheet)**.** All drawings and all submittal documentation shall be digitized. Provide all digitized drawing deliverables in AutoDesk AutoCAD Release 2000i format and provide all other deliverables in MS WORD format. Media for deliverables shall be high-density floppy disk or Compact Disc. Floppy disks and/or compact discs shall be furnished in addition to hard copy drawings. Hard copy drawings shall be submitted in 22"X34" format (ANSI "D") or 11"X17" format (ANSI "B") per attached submittal distribution matrix and all shall have a drawing index. All drawings, whether "D" or "B" format, shall be clear and easily readable.

1.8.1 Hardcopy deliverables: Any necessary hardcopies of drawings shall be submitted in 22"X34" format (ANSI "D") or 11"X17" format (ANSI "B") and provided with an index of the enclosed drawings per the attached Submittal Distribution Tables. All drawings whether ANSI "B" or ANSI "D" shall be clear and readable.

1.8.2 Electronic deliverables: The A-E shall be responsible for design and drawings using computer-aided design and drafting (CADD) and delivering the vector drawings in AutoDesk AutoCAD CADD software, release 2000. The Government will only accept the final product for full operation, without conversion or reformatting, in the AutoDesk AutoCAD release 2000i format and on the target platform specified herein. The target platform is a Pentium 4, 1.6 GHz, 256 MB Ram, and 30 GB Hard Drive with Windows 2000 operating system.

1.8.2.1 Provide copies of the corrected final submittal electronic digital deliverables on CD-ROM to the Sacramento District per the attached Submittal Distribution Tables- upon direction from the Sacramento District Project Manager.

The copies of electronic digital deliverables on CD-ROM are as follows:

CD-ROM #1: Adobe Acrobat Portable Data Format (PDF) files of technical specifications and Computer-aided Acquisition and Logistic Support (CALS) CCITT Group 4 raster format files of AutoCAD drawings.

CD-ROM #2: SPECSINTACT files of technical specifications and indexed DWG files and all referenced files of AutoCAD drawings.

The latest edition of the Tri-Services A/E/C CADD Standards Manual **in AIA format** shall be used for specific guidance on CAD standards.

A documentation handbook shall be submitted with the electronic digital deliverables. This handbook should contain the specifics of the database, it's naming conventions, layering scheme, and all other pertinent information used to construct the database and needed to use the database.

1.8.3 AS-BUILT Drawings: As-built plans are completed sets of drawings with all amendment changes, modifications and details of construction as built and installed. Sets of As-Built Plans will be furnished as required to the using agency with instructions concerning their importance and maintenance for future reference and construction. A Master set of CADD files of the project drawing records will be retained at Sacramento District for a period of 5 years and then sent to the using agency. See Preparation of As-Built Drawings on CBBS http://cbbs.spk.usace.army.mil/cbbs/library/AEGUIDE/aeguide.pdf for specific drawing requirements of as-built drawings. ***The Designer of Record shall review the as-built plans for compliance with the accepted design, approved deviations and to ensure design integrity. After this review, the Designer of Record shall sign the as-built plans.***

1.8.3.1 Provide copies of the As-built submittal electronic digital deliverables on CD-ROM to the Sacramento District per the attached Submittal Distribution Tables- upon direction from the Sacramento District Project

Manager. The copies of electronic digital deliverables on CD-ROM are as follows:

CD-ROM #1: Adobe Acrobat Portable Data Format (PDF) files of operations and maintenance documents and CALS CCITT Group 4 raster format files of AutoCAD As-built drawings.

CD-ROM #2: MS Word files of operations and maintenance documents and indexed DWG files and all referenced files of AutoCAD As-built drawings.

1.9. COMPLIANCE REVIEW CONFERENCES.

1.9.1. All compliance review (design review) conferences shall be held at Beale AFB; location on Base to be determined prior to each conference.

1.9.2. The contractor shall be represented at these review conferences by each design discipline and the construction manager as a minimum.

1.9.3. Each conference shall be planned to occur over a two-day period.

1.9.4. The Contractor shall prepare for and provide a briefing of the project to an Air Force audience during each compliance comment review conference. This briefing should focus on the functional and Customer mission related features of the project. The briefing should also focus on the architectural compatibility of the project as the project relates to the surrounding facilities. The briefing will occur within the two-day conference schedule. Project renderings, drawings, and project color boards, and computer software are the preferred briefing materials.

1.9.5. The Contractor shall prepare meeting minutes for each conference within 7 calendars following each conference and email a copy to all attendees. The meeting minutes shall list all action items discussed along with taskings (Contractor or Gov't), all issues discussed with decisions, and latest schedule of upcoming events as a minimum.

1.10 DESIGN AND CONSTRUCTION SCHEDULE AND DESIGN SUBMITTAL REQUIREMENTS

1.10.1 As proposed by the successful Design-Build Contractor and as accepted by the Contracting Officer, this project shall follow the fast track method (concurrent design & construction allowed) for design-build. All review comments for a particular portion of the work must be appropriately addressed and applicable construction techniques for unusual construction conditions must be properly defined and accepted. Therefore, the contractor shall begin construction on portions of the work after the Government has reviewed the final design submission and the contractor has satisfactorily addressed all Government review questions/concerns and the Contracting Officer provides authorization to proceed. If this portion of the work is sensitive to weather (heat, cold, rain, snow, or any other weather situation) or any other situation precluding normal construction techniques, the contractor shall also submit to the Contracting Officer a plan to conduct this work (referencing and following industry standards or more stringent government standards) for compliance review.

1.10.2 ~~Every feature~~ ***Each "Major Area" (as indicated in paragraph 1.10.2.1)*** of the project must be fully designed prior to the start of the construction process ***for that major area***. The contractor shall minimize the number of design submittals to no more than ~~two~~ ***three*** (correction submittals not counted) unless approved by the Contracting Officer.

1.10.2.1 The following design grouping table describes the areas of design to be submitted.

MAJOR AREA / Submittals	1	2	3	4	5
Civil (Site and Utilities & Communications Duct System, etc)	~~100%~~ ***60%***	***100%***			
Structural	~~100%~~ ***60%***	***100%***			
Architectural/Interior		~~100%~~	***100%***		

		60%			
Mechanical/Electrical		~~100%~~ ***60%***	***100%***		

Where: 60% = 60% Design Complete Compliance Review Submittal in accordance with Section 3 – Preliminary Design, Chapter III of the A-E Guide, Volume 1, General Instructions for Air Force Projects, Sacramento District.

100% = Design Complete, Fully Coordinated by Contractor, Ready to Build Compliance Review Submittal in accordance with Section 4 – Final Design, Chapter III of the A-E Guide, Volume 1, General Instructions for Air Force Projects, Sacramento District.

1.10.2.2 The contractor shall ensure ~~every feature~~ ***"Major Area" (as indicated in paragraph 1.10.2.1)*** of the design is developed to a further design level and submitted for compliance review not more than ~~two~~ ***three*** times per the above schedule for compliance review submittals. Every project feature shall be submitted in 100% design complete (final) compliance review submittal.

1.10.3 The contractor shall ~~have the freedom to~~ establish the design and construction schedule within ~~contract period of service~~ ***the requirements of Section 01120, Work Phase Summary***.

1.10.3.1 The contractor shall include on the schedule a 7 calendar day period for the government to conduct a compliance review for each submittal. The compliance review conference shall follow the compliance review period. The contractor shall include on the schedule a 7 calendar day period for the government to conduct a backcheck review for design backcheck submittals. In addition contractor shall allow sufficient time for incorporating the comments in DrChecks and any additional backchecks that are necessary.

1.10.3.2 The contractor shall include on the schedule a 3 calendar day period (1 day for travel 2 for meeting) for a compliance review conference related to each submittal; no meeting is required for backcheck submittals. These conferences shall not be scheduled during a weekend or holiday or on a day of the week that is adjacent to a day of a weekend or holiday. This typically will leave Tuesdays, Wednesdays, or Thursdays (except as holidays impact) for these conferences.

1.10.4 Each submittal shall be completed to the stage/level commensurate with the stage of completion***, i.e., 60%/100%, etc***. The ***60% &*** 100% or final submittal for review shall be ~~a~~ required submittal***s***. Each design submittal shall have all disciplines designed to a similar design completion level***, e.g., all disciplines at 60% complete for a 60% submittal***. All of these deliverables shall be stamped "For Compliance Review Only --- _____%)"; and each sheet of the drawings shall also be stamped. The back check submittal(s), following the Government reviews of the 100 percent final submittal, shall be packaged and stamped "For Compliance Back Check Review Only - 100%; each sheet of the drawings shall be stamped.

1.10.5 The contractor shall ensure every feature of the design is developed to a further design level on subsequent submittals unless already fully designed on an earlier submittal. Every project feature shall be submitted in final form.

~~1.10.6 The contractor shall have the freedom to establish the design and construction schedule within the contract period of service.~~

1.10.7 Weather Days. See Section 0800.

1.10.8 The Contractor shall submit a composite schedule to include the design and construction activities.

1.10.9 The design schedule shall be submitted within the first 15 calendar days after the date of Notice To Proceed. The design schedule shall include all activities associated with each respective phase.

1.10.10. The contractor shall submit the construction schedule not later than 60 days prior to the desired start of the construction activities; which includes site work. The construction schedule shall contain all activities associated with the construction of the project, complete and useable for its intended purpose.

Construction performance shall ~~not~~ begin ~~until after a 15 calendar day period~~ following the Contracting Officer acceptance of the construction schedule has occurred. Re-submittals due to Contractor controlled deficiencies will not constitute a time or cost change to the contract. The Contracting Officer will have 7 calendar days to conduct review and provide comments to the Contractor for the submittal and each re-submittal.

1.10.11 Each design submittal shall include a submittal register. This submittal register shall be developed commensurate with the level of the design submittal. SpecsIntact will generate the submittal register from the technical specifications. SpecsIntact Stand Alone Submittal Register program may also be used to generate a submittal register during design. The submittal register generated by RMS will be used during construction. The submittal register will be discussed in the RFP.

1.10.12 The construction submittal shall be stamped “For Construction” — each sheet of the drawings shall be stamped with this statement. In addition, the contractor shall identify, for approval, the Designer of Record for each area of work. One Designer of Record may be responsible for more than one area. All areas of design disciplines shall be accounted for by a listed, registered Designer of Record. The Designer(s) of Record shall stamp, sign, and date all design drawings under their responsible discipline at each design submittal stage.

1.10.13 Each submittal shall include the drawings, specifications and design analysis including calculations along with other requirements as noted herein and in attachments.

1.10.14 The Contractor shall use the Unified Federal Guide Specification (UFGS) system to develop the specifications of the design. ***However, the Designer of Record may edit the UFGS for specific products to be used. The Designer of Record shall be the approver for all “GA” submittals.***

1.11 COMPLIANCE REVIEW COMMENTS

1.11.1. Not Used.

1.11.2 Automated review management system: All review comments shall be processed via the Government program called DrChecks. Copies of comments will be made available to all parties before or during the review conference. Unresolved comments/issues at the conference shall be resolved by immediate follow-on action. Valid comments shall be incorporated. The Contractor shall annotate the DrChecks file prior to the next design submittal.

1.11.3 Assistance with DrChecks can be received by calling Ms. Laura Haven, DrChecks Administrator, (916) 557-7651. The Contractor will need to contact Ms. Haven to register and receive a login and password.
1.11.4 The design documents will not be considered 100% complete and ready for construction, until all comments for correction have been incorporated to the Governments satisfaction and further back check reviews are deemed no longer necessary. Review comments for correction will be based on compliance with the RFP document requirements.

1.12 COLOR BOARDS Color boards shall be prepared in accordance with the following:

1.12.1 Color Boards shall be submitted in a standard 216mm x 280mm (8-1/2"x11") three-ring binder. Number of color boards shall be as called for in the distribution matrix. Where special finishes such as carpet or pre-finished textured metal panels are required, samples not less than 203mm x 254mm (8"x10") shall be submitted with the boards.

1.12.2 Actual material samples shall be displayed showing color, texture, pattern, finish, thickness, etc., for all appearance/finish related materials to be used in the construction. These samples shall be large enough to indicate true patterns. However, care should be taken to present materials in proportion to that which will actually be installed in a given situation. Samples shall be organized by color schemes with a separate sample for each scheme. Each scheme shall be coordinated by room name and number and shall be shown on the architectural floor plans. Color shall be labeled with generic color names.

1.12.3 The color board(s) shall consist of all samples mounted on a mat board or equivalent for structural

stability.

1.12.4 Project title and location (base) shall occur in the lower right-hand corner of each board.

1.12.5 The exterior and interior material color boards shall be submitted at the ***60%*** ~~100%~~ design stage. If the color board is not accepted, the required changes shall be made and the color board resubmitted ***at the 100% design stages***. The resubmittal shall be a complete color board of all the exterior and interior materials. The color boards will not be returned to the contractor.

1.13 Presentation Drawings. The contractor shall provide with the ***60%*** ~~100%~~ design submittal a colored/rendered building elevation presentation drawing per the distribution matrix. The building's exterior elevations shall be shown and the drawings should reflect a realistic representation of the facility. The drawings shall be 22"X34" (ANSI "D"). The contractor shall also provide with the ***60%*** ~~100%~~ design submittal a colored/rendered site plan presentation drawing per the distribution matrix. The drawings shall be 22"X34" (ANSI "D") and similar to the RFP site plan and clearly show the building roof, all new landscaping, sidewalks, site improvements, parking spaces, and roads. Provide an electronic CADD or TIF file of the Presentation Drawings per the attached Submittal Distribution Tables at the ***60%*** ~~100%~~ design; these shall be resubmitted ***at the 100% design submittal*** if there are revisions to the drawings.

1.14 ENVIRONMENTAL PERMITS: Contractor shall pay for and obtain all permits required for the successful execution of this project. Submittal of the Environmental Permits to the Regulatory Agencies shall be accomplished with coordination of the Contracting Officer and the Beale AFB Environmental Shop.

1.15 SUSTAINABLE DESIGN: The Contractor shall comply with the sustainable design requirements of the RFP. The minimum required level of performance shall be as scored on the LEED Green Building Rating System, Version 2, US Green Building Council.

1.16 ANTITERRORISM/FORCE PROTECTION: Compliance with the RFP stated requirements would ensure antiterrorism/force protection would be satisfied.

1.17 CONTRACT DOCUMENTS PREPARATION: The Contractor shall prepare all drawing documents in AutoDesk AutoCAD Release 2000. The design drawings and technical specifications shall be dimensioned and specified using metric units per USAF ETL 94-8. Use the following web sites for this list of USAF ETL's:

- http://www.ccb.org/html/home.html
- http://www.afcesa.af.mil/Publications

1.18 PERMITS/AUTHORIZATION TO CONSTRUCT CHECKLIST: The Contractor shall submit a list of permits that are required for this project; the list shall include all federal, state, local and Beale AFB permits required by the task order and contract, required as a result of the contractor's design, and permits required by Beale AFB. The checklist shall include the type of permit, the party responsible for obtaining the permit, and the permitting agency. The list shall be submitted to the Contracting Officer 14 days prior to the start of construction. The list shall be utilized as a Quality Control tool. The following list is provided as a reference:

PERMITS/AUTHORITY TO CONSTRUCT CHECKLIST

PERMIT/AUTHORITY TO CONSTRUCT	RESPONSIBLE PARTY TO OBTAIN PERMIT	PERMITTING AGENGY
Dust Permit	Contractor	Feather River Air Quality Management Board
Trench over 100 feet long and two feet deep?	Contractor	
Over ¼ acre disturbed (10,890 sq. ft.)	Contractor	
Storm Water Discharge Permit (NPDES)	Contractor	Feather River Air Quality Management Board

Boiler Operating Permit	Contractor	Feather River Air Quality Management Board
Authority to Construct (Air Pollution Control)	Contractor	Feather River Air Quality Management Board
a. Boilers	Contractor	
b. Cooling Towers (open drift)	Contractor	
c. Cyclones	Contractor	
d. Fuel Burning Equipment	Contractor	
e. Fuel Dispensing Equipment	Contractor	
f. Fuel Storage Tanks	Contractor	
g. Screens (gravel)	Contractor	
h. Asphalt Batch Plant	Contractor	
i. Rock Crusher	Contractor	
j. Quarry (Borrow Pit)	Contractor	
k. Paint Booths	Contractor	
Asbestos		Feather River Air Quality Management Board or Department of Environmental Protection
a. ACM Survey	Contractor	
b. Demolition Permit	Contractor	
Lead Based Paint		Feather River Air Quality Management Board or Department of Environmental Protection
a. LBP Survey	Contractor	
b. Demolition Permit	Contractor	
PCB	Contractor	Feather River Air Quality Management Board or Department of Environmental of Protection
Back Flow Prevention	Contractor	
Sewerage System		
a. Food Preparation Greasetraps	Contractor	
b. Septic System (permit)	Contractor	
Plants and Landscaping	Contractor	
Refrigerants and other Ozone Depleting Chemicals	Contractor	Feather River Air Quality Management or Department of Environmental Protection
Landfills	Contractor	
Hazardous Materials	Contractor	Feather River Air Quality Management Board or

		Department of Environmental Protection
Sprinkler Systems	Contractor	
Automated Fire Fighting Foam (AFFF) Systems	Contractor	
Recycled Materials	Contractor	
Restoration Sites	Contractor	
Historical and Archaeological Sites (Cultural Resources)	Contractor	
Presence of Protected Plant and Animal Species	Contractor	
Presence or Creation of a Wetland	Contractor	
Radon	Contractor	
AICUZ	Contractor	
Electromagnetic Fields	Contractor	
Drinking Water Sources (Wellhead Protection)	Contractor	
Burn Permit/Welding Permit	Contractor	Beale AFB
Digging Permits	Contractor	Beale AFB

2. TRANSMITTAL TO GOVERNMENT AGENCIES:

2.1 SUBMITTAL DISTRIBUTION REQUIREMENTS *

TITLE: GLOBAL HAWK DORMITORY LOCATION: BEALE AFB, CA
FY: 04 PROJ NO.: BAEY051001

1st Round Design Submittal for Each Project Feature – Civil and Structural (60% Quality/Compliance Assurance Review Submittal)	*MAJ*	*DIST*	*DIV*		*DA*	*CUST*	*CONS*	*BCE*	*RES*	*TCXP*	*TCXF*	*GEO*				
	1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*
~~*60%*~~ *DRAWINGS (ANSI "B")*	*3*				*10*		*4*	*12*	*2*							
~~*60%*~~ *DRAWINGS (ANSI "D")*					*2*		*1*	*1*	*1*							
DESIGN ANALYSIS W/CALCULATIONS	*3*				*10*		*2*	*12*	*2*							
Specifications/Catalog Cuts	*3*				*10*		*4*	*12*	*2*							
Electronic Files of Drawings (Reference Para 1.8 for Electronic Deliverables	*1*				*10*			*1*	*1*							
Draft 1354 and Real Property Form					*2*			*1*	*1*							
Environmental Deliverables	*2*	~~*1*~~			*1*			*1*	*1*							
Presentation Drawings (ANSI "D") & Note para 1.13 for electronic CADD/TIF file submittal	*1*				*2*			*3*	*1*							
COVER LETTER CERTIFICATION	*1*	~~*1*~~			*1*			*1*	*1*							
KEY SUBS/CONSULT'S LETTER OF INVOLVEMENT	*2*	~~*1*~~			*2*			*1*	*1*							
SUBS/SUPPLIERS CERTIFICATION LETTERS (SET)	*1*				*2*			*1*	*1*							
SUBMITTAL REGISTER	*1*				*2*			*1*	*1*							
COLOR BOARDS (INTERIOR & EXTERIOR) (Reference Para 1.12.5)	*1*				*2*			*2*	*1*							
DrChecks File in DrChecks System	*1*				*2*		*1*	*1*	*1*							

~~1~~ ***2nd*** **Round Design Submittal for Each Project Feature-** ***Civil and Structural*** **(**100% Quality/Compliance Assurance Review Submittal) ***and Architectural/Mech/Elect (60% Quality/Compliance Assurance Review Submittal)***	MAJ	DIST	DIV		DA	CUST	CONS	BCE	RES	TCXP	TCXF	GEO				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
~~Final~~ DRAWINGS (ANSI "B")	3				10		4	12	2							
~~Final~~ DRAWINGS (ANSI "D")	1				2		1	1	1							
SPECS/CATALOG CUTS	3				10		4	12	2							
DESIGN ANALYSIS WITH CALCULATIONS	3				10		2	12	2							
Environmental Deliverables	2				1		1	1	1							
Presentation Drawings (ANSI "D") & Note para. 1.13 for electronic CADD/TIF file submittal	1				2			3	1							
DRAFT DD FORM 1354 AND REAL PROPERTY FORM					1			1	2							
Electronic Files of Drawings (Reference Para 1.8 for Electronic Deliverables)	1				10			1	1							
SUBMITTAL REGISTER	1				2			1	1							
Electronic Word Processing Files of all Other Documents	1				2			1	1							
COVER LETTER CERTIFICATION	1				2			1	1							
KEY SUBS/CONSULT'S LETTER OF INVOLVEMENT	1				1			1	1							
SUBS/SUPPLIERS CERTIFICATION LETTERS (SET)	1				2			1	1							
DRCHECKS FILE ANNOTATED (IN DRCHECK SYSTEM)	1				2			1	1							
COLOR BOARDS (INTERIOR & EXTERIOR) (Reference Para 1.12.5)	1				2			2	1							

~~2nd~~ *3rd* **Round Design Submittal for Each Project Feature- Architectural/Mech/Elect** (100% Quality/Compliance Assurance Review Submittal)	MAJ	DIST	DIV		DA	CUST	CONS	BCE	RES	TCXP	TCXF	GEO				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
~~Final~~ DRAWINGS (ANSI "B")	3				10		4	12	2							
~~Final~~ DRAWINGS (ANSI "D")	1				2		1	1	1							
SPECS/CATALOG CUTS	3				10		4	12	2							
DESIGN ANALYSIS WITH CALCULATIONS	3				10		2	12	2							
DRAFT DD FORM 1354 AND REAL PROPERTY FORM					1			1	2							
Electronic Files of Drawings (Reference Para 1.8 for Electronic Deliverables)	1				10			1	1							
SUBMITTAL REGISTER	1				2			1	1							
Electronic Word Processing Files of all Other Documents	1				2			1	1							
COVER LETTER CERTIFICATION	1				2			1	1							
KEY SUBS/CONSULT'S LETTER OF INVOLVEMENT	1				1			1	1							
SUBS/SUPPLIERS CERTIFICATION LETTERS (SET)	1				2			1	1							
DRCHECKS FILE ANNOTATED (IN DRCHECK SYSTEM)	1				2			1	1							
COLOR BOARDS (INTERIOR & EXTERIOR) (Reference Para 1.12.5)	1				2			2	1							

*

Design Backcheck Submittal *Repeat as needed* **(**Includes all other requirements noted)(Submit only shts/pgs of changes for each submittal cycle)	MAJ	DIST	DIV		DA	CUST	CONS	BCE	RES	TCXP	TCXF	GEO				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRAWINGS (ANSI “B”)	3				10		4	12	2							
DRAWINGS (ANSI “D”)	1				2		1	1	1							
SPECS/CATALOG CUTS	3				10		4	12	2							
DESIGN ANALYSIS WITH CALCULATIONS	3				10		4		2							
DD FORM 1354					1			1	1							
SUBMITTAL REGISTER	1				2			1	1							
ELECTRONIC FILES (Reference Para 1.8 for Electronic Deliverables)					2				1							
COVER LETTER CERTIFICATION	1				1			1	1							
DRCHECKS FILE ANNOTATED (IN DRCHECK SYSTEM)	1				1			1	1							

*

Construction Submittal (Provide 7 days after notification of all compliance review comments in DrChecks adequately addressed)	MAJ	DIST	DIV		DA	CUST	CONS	BCE	RES	TCXP	TCXF	GEO				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRAWINGS (Each discipline lead drawing sheet shall be stamped and signed by the responsible Professional Engineer or Architect licensed to do so, i.e., “G” and “A” etc)																
CONSTRUCTION READY DRAWINGS (ANSI “B”)	3				5		2	3	4							
CONSTRUCTION READY DRAWINGS (ANSI “D”)	1				2		1	1	4							
CONSTRUCTION READY SPECS/CATALOG CUTS	3				5		2	3	4							
DESIGN ANALYSIS WITH CALCULATIONS	3				5		1	1	1							
DD FORM 1354 AND REAL PROPERTY FORM					2			2	1							
ELECTRONIC FILES OF ALL DRAWINGS (Reference Para 1.8 for Electronic Deliverables)	1				5		2	1	4							
SUBMITTAL REGISTER	1				2			1	1							
ELECTRONIC WORD PROCESSING FILES OF ALL OTHER DOCS	1				2			1	1							
COVER LETTER CERTIFICATION	1				2		1	1	1							

As-Built Drawings Submittal (Provide 21 calendar days after final inspection and project acceptance)	MAJ	DIST	DIV		DA	CUST	CONS	BCE	RES	TCXP	TCXF	GEO				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
AS-BUILT DRAWINGS (paper) (ANSI “D”)									1							
ELECTRONIC CADD FILES OF ALL DRAWINGS (AUTOCAD LATEST VERSION COMPATIBLE)					2				1							
UPDATED DD FORM 1354 DATA AND UPDATED PROPERTY DATA FORM (SEE SECTION 01012)									1							
AS-BUILT DRAWINGS (paper) (ANSI “B”)					2				1							

2.2 Offices for Distribution:

Code Number	Agency	Mailing Address
1	MAJ	HQ ACC/CECW ATTN: Mr. James Spoto 129 Andrews Street, Room 315 Langley AFB, VA 23665-2769 (757) 764-3680
2	DIST	Not Used
3	DIV	Not Used
4		Not Used.
5	DA	CESPK-PM-M ATTN: Mr. Cartley Wong 1325 "J" Street Sacramento, CA 95814-2922 (916) 557-7671
6	CUST	NOT USED.
7	CONS	CESPK-CO-QA ATTN: Mr. Drew Perry 1325 “J” Street Sacramento, CA 95814-2922 (916) 557-7779
8	BCE	Department of the Air Force 9th CES/CECN (David Piele) 6425 B Street, B-2539 Beale AFB, CA 95903-1712 (530) 634-0466

Code Number	Agency	Mailing Address
9	RES	US Army Corps of Engineers Sacramento Resident Office CESPK-CO-RS (Larry Smith) 2194 Ascot Ave., B/1066 Rio Linda, CA 95673-9988 916-649-0133
10	TCXP	Not Used

11	TCXF	Not Used
12	GEO	Not Used

2.3 Beale AFB DD FORM 1354 additional requirements to be submitted with each DD FORM 1354 submittal requirement:

REQUIRED REAL PROPERTY DATA

1. New Construction/Additions – Facility
2. New Construction - Infrastructure
3. Demolition - Facility
4. Demolition - Infrastructure

1. New Construction/Additions Project#_____Work Order # _____
Facility#_____ Installation_____ Category Code_____

Total Unit of Measure (SF, SY, Other) _____ (___) $_____
(cost excludes systems)

Dimensions
Outside _____x_____ FT
Wings _____x_____ FT
Offsets _____x_____ FT

Number of floors _____

Type Construction (Concrete, block, metal, etc.)
Foundation _____
Floor _____
Wall _____
Roof _____

Utilities (Check when applicable)
Water ____
Sewage ____
Electric ____
Gas ____
Steam ____
Heat Source (Specify type: Gas, Steam, Fuel Oil, Electric, etc.) _____

Fire Detection

Automatic Fire Detection System	_____ EACH	_____ SF		$_____
Automatic Fire Alarm/Reporting	_____ EACH	_____ SF		$_____
Manual Alarm System				
Exterior		_____ BOXES		$_____
Interior		_____ BOXES		$_____

Sprinkler Systems

Closed Head Automatic	_____ HDS	_____ SF		$_____
Open Head Deluge	_____ HDS	_____ SF		$_____
Pre-Action	_____ HDS	_____ SF		$_____
AFFF Pre-Action	_____ HDS	_____ SF		$_____

Other Fire Suppression System
High Expansion Foam _____ EACH $_____

Carbon Dioxide		_____ EACH	$_____
Protein Foam/Water Deluge		_____ EACH	$_____
Halon		_____ EACH	$_____
Dry Chemical System		_____ EACH	$_____
Foam Systems (Tank Farm)		_____ EACH	$_____
Other		_____ EACH	$_____
Air Conditioning /Evaporative Cooler			
Less than 5 ton	_____ SF	_____TN	$_____
5 to 25 ton	_____# of Units	_____TN	$_____
25 to 100 ton	_____# of Units	_____TN	$_____
Over 100 ton	_____# of Units	_____TN	$_____
Heating			
750/3500 MB		_____ MB	$_____
Over 3500 MB		_____ MB	$_____
From Central Plant		_____ SF	$_____
Fuel Oil Storage		_____ GA	$_____
Gas Source	_____ SF	_____ MB	$_____
Energy Monitoring and Control Systems (EMCS)			
Central Station Equipment		_____ EACH	$_____
Field Equipment		_____ EACH	$_____
Data Lines		_____ LF	$_____
Security Alarm System		_____ EACH	$_____
Air Compressor		_____ HP	$_____
Compressed Air Distribution Lines		_____ LF	$_____
Electric Emergency Power			
Generator		_____KW	$_____
Storage Tank for Fuel (Type)		_____ GA	$_____

2. New Construction/Additions- Infrastructure

Installation_____ Project#_____ Work Order #_____

Roads	_____ SY	_____ LF	$_____
Curb & Gutter		_____ LF	$_____
Driveway		_____ SY	$_____
Vehicle Parking Areas			
Organization Vehicles		_____ SY	$_____
Private Owner Vehicles		_____ SY	$_____

Refueling Vehicles	_____	SY	$_____
Sidewalk	_____	SY	$_____
Street Lights	_____	EACH	$_____
Boundary Fence			
Chain Link	_____	LF	$_____
Block Wall	_____	LF	$_____
Interior Fence			
Chain Link	_____	LF	$_____
Block Wall	_____	LF	$_____
Security Fence			
Chain Link	_____	LF	$_____
Block Wall	_____	LF	$_____
Exterior Lighting			
Street Lights	_____	EACH	$_____
Security Lights	_____	EACH	$_____
Apron Floodlighting	_____	EACH	$_____
Electric Aircraft Outlets	_____	EACH	$_____
Water Distribution Mains	_____	LF	$_____
Non potable	_____	LF	$_____
Fire Protection Main	_____	LF	$_____
Fire Hydrants	_____	EACH	$_____
Fire Pumps _____ GM (internal combustion, steam or electric drivers)	_____	SF	$_____
Fire Protection Water Storage	_____	KG	$_____
Storm Drains	_____	LF	$_____
Sanitary Sewage Main	_____	LF	$_____
Industrial Waste Main	_____	LF	$_____
Industrial Waste Fuel Spill Collector	_____	KG	$_____
Gas Mains	_____	LF	$_____
Primary Electrical Distribution Lines			
Overhead	_____	LF	$_____
Underground	_____	LF	$_____
Secondary Electrical Distribution Lines			
Overhead	_____	LF	$_____
Underground	_____	LF	$_____
Utility Line Ducts	_____	LF	$_____
Steam Heat Mains	_____	LF	$_____

Sanitary Sewage Mains _____ LF $_____

Pad (for propane tank) _____ SY $_____

Pre-Engineered Revetment _____ LF $_____

Other _____ $_____

3. Demolition - Facility Project#_____ Work Order # _____

Facility#_____ Installation_____

4. Demolition - Infrastructure

Installation_____ Project#_____ Work Order # _____

Roads _____ SY_____ LF $_____

Curb & Gutter _____ LF $_____

Driveway _____ SY $_____

Vehicle Parking Areas
- Organization Vehicles _____ SY $_____
- Private Owner Vehicles _____ SY $_____
- Refueling Vehicles _____ SY $_____

Sidewalk _____ SY $_____

Street Lights _____ EACH $_____

Boundary Fence
- Chain Link _____ LF $_____
- Block Wall _____ LF $_____

Interior Fence
- Chain Link _____ LF $_____
- Block Wall _____ LF $_____

Security Fence
- Chain Link _____ LF $_____
- Block Wall _____ LF $_____

Exterior Lighting
- Street Lights _____ EACH $_____
- Security Lights _____ EACH $_____
- Apron Floodlighting _____ EACH $_____

Electric Aircraft Outlets _____ EACH $_____

Water Distribution Mains _____ LF $_____
- Non potable _____ LF $_____
- Fire Protection Main _____ LF $_____

Fire Hydrants		_____ EACH	$_____
Fire Pumps (internal combustion, steam or electric drivers)	_____ GM	_____ SF	$_____
Fire Protection Water Storage		_____ KG	$_____
Storm Drains		_____ LF	$_____
Sanitary Sewage Main		_____ LF	$_____
Industrial Waste Main		_____ LF	$_____
Industrial Waste Fuel Spill Collector		_____ KG	$_____
Gas Mains		_____ LF	$_____
Primary Electrical Distribution Lines			
Overhead		_____ LF	$_____
Underground		_____ LF	$_____
Secondary Electrical Distribution Lines			
Overhead		_____ LF	$_____
Underground		_____ LF	$_____
Utility Line Ducts		_____ LF	$_____
Steam Heat Mains		_____ LF	$_____
Sanitary Sewage Mains		_____ LF	$_____
Pad (for propane tank)		_____ SY	$_____
Pre-Engineered Revetment		_____ LF	$_____
Other		_____	$_____

3. CONTRACTOR PROCESSING OF DRCHECKS FILE

3.1. The Contractor shall provide copies of comments, annotated with comment action agreed on, to all parties before the review conference adjourns. Unresolved problems will be resolved by immediate follow-on action at end of conferences. The Contractor shall submit to the Contracting Officer within five (5) calendar days, two (2) copies of a memorandum of the Compliance Assurance Review Conference summarizing major decision points and issues which requires resolution and the action office.

3.2. On receipt of corrected submittal documents and at the point at which all comments in the DrChecks System have been adequately addressed (to Sacramento District's satisfaction), the Sacramento District will provide notification to the Contracting Officer noting that all comments have been addressed. Withholding payment for unsatisfactory performance shall be made in accordance with CONTRACT CLAUSE, FAR 52.232-5, PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS.

3.3. The Contractor shall annotate the respective DrChecks File for each phase of the design showing page or sheet and verse where the correction was made and what the correction consists of — this to assist

the reviewers to quickly find the adjustment. The Contractor annotated DrChecks files shall be made on the DrChecks web site before the next submittal is received by the reviewers — therefore action is a part of the submittal requirements.

3.4. The Contractor shall submit corrected submittal documents (backcheck) as noted above. Again — the appropriate DrChecks file shall be annotated and ready on the web site on or before the day the reviewers receive the backcheck submittal.

3.5. The Backcheck process along with the availability of the Contractor annotated DrChecks file on the web site shall continue until all comments in the DrChecks file have been adequately addressed to the satisfaction of the Government Reviewers.

--End of Section--

SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01120

WORK PHASE SUMMARY

--End of Section--

SECTION 01120

WORK PHASE SUMMARY

PART 1 GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS ***(See Section 01320 for additional schedule information.)***

1.1.1 **PHASE I** - Construct new Military Working Dog Kennel.
(Begins at NTP and completed within 210 calendar days after the NTP.)

1.1.2 **PHASE II** - Design of the Civil & Structural Portions for new 96 Person Global Hawk Dormitory.
(Begins at NTP and completed within 120 calendar days after the NTP. The 120 calendar days shall include the *60*% & 100% design submission*s*, ~~a~~ 5 working day Government review period*s*, and submission of the corrected 100% design.)

1.1.3 **PHASE III** - Begin Construction on the Civil & Structural Portions of the new 96 Person Dormitory.
(Begins 120 calendar days after NTP.)

1.1.4 **PHASE IV -** Design of new 96 Person Dormitory, all disciplines other than Civil & Structural.
(Begins at NTP and completed within 180 calendar days after the NTP. The 180 calendar days shall include the *60*% & 100% design submission*s*, ~~a~~ 5 working day Government review period*s*, and submission of the corrected 100% design.)

1.1.5 **PHASE V -** Begin Construction of all remaining work on the new 96 Person Dormitory.
(Begins 180 calendar days after NTP and completed within 480 calendar days after the NTP.)

1.1.6 **PHASE VI -** Government Removal of Material and Equipment From Existing Military Working Dog Kennel.
(Begins at Ben~~ni~~eficial Occupancy {BOD} of the new Military Working Dog Kennel, {210 calendar days after NTP}, and completed within 14 calendar days after the BOD of the new Military Working Dog Kennel, {224 calendar days after NTP}.)

1.1.7 **PHASE VII -** Demolition of existing Military Working Dog Kennel.
(Begins after 224 calendar days after NTP and completed within 245 calendar days after the NTP.)

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-END OF SECTION-

DIVISION 01 -GENERAL REQUIREMENTS

01320 – Project Schedule

SECTION TABLE OF CONTENTS

--End of Section Table of Contents --

1.1 REFERENCES

The publications listed below form a part of the specification to the extent referenced. The publication is referenced in the text by basic designation only.

ER 1-1-11 Progress, Schedules, and Network Analysis Systems (June 1995)

1.2 QUALIFICATIONS - CONTRACTOR SCHEDULING REPRESENTATIVE

The Contractor shall designate, a scheduling representative, the individual tasked with the responsibility for preparation-updating-revision of the NAS schedule, who shall be responsible for the preparation and submittal of the entire NAS project schedule including all items specified below and revisions to the schedule or supplemental completion schedules, as applicable or directed by the Contracting Officer. The scheduling representative shall be approved by the Contracting Officer based on a resume indicating as a minimum, formal training from software vendor or 5 years experience in working with NAS schedules.

EXECUTION

3.1 GENERAL REQUIREMENTS

Pursuant to the Contract Clause, SCHEDULE FOR CONSTRUCTION CONTRACTS, a Project Schedule as described below shall be prepared. The NAS Project Schedule shall be a composite schedule including the design and construction activities. The scheduling of construction only and design-construction shall be the responsibility of the Contractor. Contractor management personnel shall actively participate in its development. Subcontractors and suppliers Designers, Subcontractors and suppliers working on the project shall also contribute in developing and maintaining an accurate Project Schedule. The approved Project Schedule shall be used to measure the progress of the work, to aid in evaluating time extensions, and to provide the basis of all progress payments.

The Government will use the NAS Project Schedule to evaluate the contractor’s progress for timely completion, plan for Quality Assurance verification of the work and evaluate the effects of a proposed modification on the contract duration (critical path activities).

3.2 BASIS FOR PAYMENT

The schedule shall be the basis for measuring Contractor progress. Lack of an approved schedule or scheduling personnel will result in an inability of the Contracting Officer to evaluate Contractor's progress for the purposes of payment. Failure of the Contractor to provide all information, as specified below, shall result in the disapproval of the entire Project Schedule submission and the inability of the Contracting Officer to evaluate Contractor progress for payment purposes. In the case where Project Schedule revisions have been directed by the Contracting Officer and these revisions have not been included in the Project Schedule, the Contracting Officer may hold retainage up to the maximum allowed by contract, each payment period, until revisions to the Project Schedule have been made.

3.3 PROJECT SCHEDULE

Project schedule software

The contractor shall prepare the NAS schedule using a computer software system. The system utilized by the Contractor shall be capable of satisfying all requirements of this specification and ER 1-1-11. Manual methods used to produce any required information shall require prior approval by the Contracting Officer. The Contracting Officer intends to use PRIMAVERA P3.

The Contractor shall provide to the Government a complete input listing for the selected software.

3.3.3.1 Use of the Critical Path Method

The Critical Path Method (CPM) of network calculation shall be used to generate the Project Schedule. The Contractor shall provide the Project Schedule in the Precedence Diagram Method (PDM).

3.3.3.2 Level of Detail Required

The Project Schedule shall include an appropriate level of detail. Failure to develop or update the project Schedule or provide data to the Contracting Officer at the appropriate level of detail, as specified by the Contracting Officer, shall result in the disapproval of the schedule. The Contracting Officer will use, but is not limited to, the following conditions to determine the appropriate level of detail to be used in the Project Schedule:

3.3.2.1 Activity Durations

Contractor submissions shall follow the direction of the Contracting Officer regarding reasonable activity durations. Reasonable durations are those that allow the progress of activities to be accurately determined between payment periods (usually less than 2 percent of all non-procurement activities' Original Durations are greater than 20 days). Durations shall be in workdays.

3.3.2.2 Design and Permit Activities

NOTE: This paragraph applies only to design-build procurements.

Design and permitting activities, including necessary conferences and follow-up actions and design package submission dates, shall be integrated into the schedule.

3.3.2.3 Procurement Activities

Tasks related to the procurement of long lead materials or equipment shall be included as separate activities in the project schedule. Long lead materials and equipment are those materials that have a procurement cycle of over 90 days. Examples of key procurement activities include, but are not limited to: shop drawing submittals/ approvals or review/and fabrication/delivery.

3.3.2.4 Critical Submission Activities

The following activities shall be listed as separate line activities on the Contractor's project schedule:

a. Submission and approval of mechanical/electrical layout drawings

b Submission and approval of 0 & M manuals

c. Submission and approval of as-built drawings

d. Submission and approval of 1354 data and installed equipment lists

e. Submission and approval of testing and air balance (TAB)

f. Submission of TAB specialist design review report

g. Submission and approval of fire protection specialist

h. Submission and approval of testing and balancing of HVAC plus commissioning plans and data and water balance dates

3.3.2.5 Government Activities

Government and other agency activities that could impact progress shall be included in the schedule. These activities include, but are not limited to: Government approvals, Government review and verification that design submittals are in accordance with the RFP inspections, utility tie-in, Government Furnished Equipment (GFE) and Notice to Proceed (NTP) for phasing requirements. Government approval of shop drawings activities should be shown with the duration at least the minimum allowed by the contract. The contractor's failure to provide reasonable durations in its schedule for Government activities does not establish or change the Government's review or approval path periods and the durations established for Government's activities are subject to approval by the Contracting Officer.

3.3.2.5.1 Work activities to be included on the critical path

CQC (all) mechanical systems test (indicate the specific system)

CQC (all) electrical system tests (indicate the specific system)

Government QA (all) mechanical system acceptance/operational test (indicate specific system)

Government QA (all) electrical system acceptance /operational test (indicate specific system)

CQC completion inspection of the entire project

Contractor works off CQC punchlist

Prefinal inspection performed when the facility is completed such that it can be used for it intended function (as determined by the Contracting Officer)

Contractor works off prefinal punchlist

Final/acceptance inspection of the entire project

Contractor works off final punchlist.

Contractor shall allow 60 calendar days total duration prior to current contract completion date for the above stated activities. (See specification section 01445 Contractor Quality

Control).

Government and other agency activities that could impact progress shall be shown. These activities include, but are not limited to: approvals, approvals, design reviews, environmental permit approvals by State regulators, inspections, utility tie-in, Government Furnished Equipment (GFE) and Notice to Proceed (NTP) for phasing requirements.

3.3.2.5.2 Contracts with multiple buildings/facilities

The contractor shall prepare a separate detailed NAS schedule for each building/facility indicating its critical path for specified interim completion dates or critical milestone date.

The master NAS schedule shall indicate the interface/lag/link between buildings/facilities to maximize/level the labor and other resources. The master schedule critical path must be indicated through the various buildings/facilities and total duration equal to the contract duration.

3.3.2.6 Responsibility

All activities shall be identified in the project schedule by the party responsible to perform the work. Responsibility includes, but is not limited to, the subcontracting firm, contractor work force, or government agency performing a given task. Activities shall not belong to more than one responsible party. The responsible party for each activity shall be identified by the Responsibility Code.

3.3.2.7 Work Areas

All activities shall be identified in the project schedule by the work area in which the activity occurs. Activities shall not be allowed to cover more than one work area. The work area of each activity shall be identified by the Work Area Code.

3.3.2.8 Modification or Claim Number

Any activity that is added or changed by contract modification or used to justify claimed time shall be identified by a mod or claim code that changed the activity. Activities shall not belong to more than one modification or claim item. The modification or claim number of each activity shall be identified by the Mod or Claim Number. Whenever possible, changes shall be added to the schedule by adding new activities. Existing activities shall not normally be changed to reflect modifications

3.3.2.9 Bid Item

All activities shall be identified in the project schedule by the Bid Item to which the activity belongs. An activity shall not contain work in more than one bid item. The bid item for each appropriate activity shall be identified by the Bid Item Code.

3.3.2.10 Phase of Work

All activities shall be identified in the project schedule by the phases of work in which the activity occurs. Activities shall not contain work in more than one phase of work. The project phase of each activity shall be by the unique Phase of Work Code.

3.3.2.11 Category of Work

All Activities shall be identified in the project schedule according to the category of work which best describes the activity. Category of work refers, but is not limited, to the procurement chain of activities including such items as submittals designs, design package submissions design reviews, review conferences, permits, submittals, approvals, procurement, fabrication, delivery, installation, start-up, and testing. The category of work for each activity shall be identified by the Category of Work Code.

3.3.2.12 Feature of Work

All activities shall be identified in the project schedule according to the feature of work to which the activity belongs. Feature of work refers, but is not limited to, a work breakdown structure for the project. The feature of work for each activity shall be identified by the Feature of Work Code.

3.3.3 Scheduled Project Completion

The schedule duration shall extend from NTP to the official contract completion date as awarded (unless approved by Contracting Officer-for early completion).

3.3.3.1 Project Start Date

The schedule shall start no earlier than the date on which the NTP was acknowledged. The Contractor shall include as the first activity in the project schedule an activity called "Start Project". The "Start Project" activity shall have an "ES" constraint date equal to the date that the NTP was acknowledged, and a zero day duration.

3.3.3.2 Constraint of Last Activity

Completion of the last activity in the schedule shall be constrained by the contract completion date. Calculation on project updates shall be such that if the early finish of the last activity falls after the contract completion date, then the float calculation shall reflect a negative float on the critical path. The Contractor shall include as the last activity in the project schedule an activity called "End Project". The "End Project" activity shall have an "LF" constraint date equal to the completion date for the project, and a zero day duration.

3.3.3.3 Early Project Completion

In the event the project schedule shows completion of the project prior to the contract completion date, the Contractor shall identify those activities that have been accelerated and/or those activities that are scheduled in parallel to support the Contractor's "early" completion. Contractor shall specifically address each of the activities noted in the narrative report at every project schedule update period to assist the Contracting Officer in evaluating the Contractor's ability to actually complete prior to the contract period.

The Contractor shall include an activity named “contingency” with no cost and a duration equal to the number of calendar days from the date all the contract work is planned to be completed, to the official contract completion date as awarded.

3.3.4 Interim Completion Dates

Contractually specified interim completion dates shall also be constrained to show negative float if the early finish date of the last activity in that phase falls after the interim completion date.

Design phase

The contractor shall include the following design phase activities in the composite design and construction NAS Project schedule

	Duration of Activities after NTP
Prework conference within 5 days after NTP	
Submittal of preliminary design (60%) ***(For the Civil and Structural design)***	***45 calendar days***
Review of 60% design by Government ***(For the Civil and Structural design)***	***7 calendar days***
Design review conference of Preliminary design ***(For the Civil and Structural design)***	***2 calendar days***
Submittal of Final design ***(100%)*** (For the Civil and Structural design) ***and*** ***Submittal of 60% design*** ***(For the Architectural/Interior and Mech/Elect design)***	~~90~~ ***41*** calendar days
Review of 100% design by Government (For the Civil and Structural design) ***and*** ***Review of 60% design by Government*** ***(For the Architectural/Interior and Mech/Elect design)***	7 calendar days
Design review conference of Final design (For the Civil and Structural design) ***and*** ***Review of 60% design by Government*** ***(For the Architectural/Interior and Mech/Elect design)***	2 calendar days
Submittal of Corrected Final design (100%) (For the Civil and Structural design) ***and*** ***Review of 60% design by Government*** ***(For the Architectural/Interior and Mech/Elect design)***	~~14~~ ***9*** calendar days
Backcheck of Corrected Final design (For the Civil and Structural design) ***and*** ***Review of 60% design by Government*** ***(For the Architectural/Interior and Mech/Elect design)***	7 calendar days
Submittal of Final design ***(100%)*** (For Architectural/Interior and Mech/Elect design)	~~154~~ ***35*** calendar days
Review of 100% design by Government (For Architectural/Interior and Mech/Elect design)	7 calendar days

Design review conference of Final design (For Architectural/Interior and Mech/Elect design)	2 calendar days
Submittal of Corrected Final design (100%) (For Architectural/Interior and Mech/Elect design)	~~10~~ ***9*** calendar days
Backcheck of Corrected Final design (For Architectural/Interior and Mech/Elect design)	7 calendar days

Design Complete - {The contracting officer shall advise the contractor in writing when the final design documents are approved for construction}

The duration of each of these activities must be the duration as included in the contract award.

3.3.4.1 Start Phase

The Contractor shall include as the first activity for a project phase an activity called "Start Phase X" where "X" refers to the phase of work. The "Start Phase X" activity shall have an "ES" constraint date equal to the date on which the NTP was acknowledged, and a zero day duration.

3.3.4.2 End Phase

The Contractor shall include as the last activity *in* a project phase an activity called "End Phase X" where "X" refers to the phase of work. The "End Phase X" activity shall have an "LF" constraint date equal to the completion date for the project, and a zero day duration.

3.3.4.3 Phase X

The Contractor shall include a hammock type activity for each project phase called "Phase X" where "X" refers to the phase of work. The "Phase X" activity shall be logically tied to the earliest and latest activities in the phase.

3.3.5 Default Progress Data Disallowed

Actual Start and Finish dates shall not be automatically updated by default mechanisms that may be included *in* CPM scheduling software systems. Actual Start and Finish dates on the CPM schedule shall match those dates provided from Contractor Quality Control Reports. Failure of the Contractor to document the Actual Start and Finish dates on the Daily Quality Control report for every in-progress or completed activity, and failure to ensure that the data contained on the Daily Quality Control reports *is* the sole basis for schedule updating shall result *in* the disapproval of the Contractor's schedule and the inability of the Contracting Officer to evaluate Contractor progress for payment purposes. Updating of the percent complete and the remaining duration of any activity shall be independent functions. Program features which calculate one of these parameters from the other shall be disabled.

3.3.6 Out-of-sequence Progress

Activities that have posted progress without all preceding logic being satisfied (Out-of-Sequence Progress) will be allowed only on a case-by-case approval of the Contracting Officer. The Contractor shall propose logic corrections to eliminate all out of sequence

progress or justify not changing the sequencing for approval prior to submitting an updated project schedule.

3.3.7 Negative Lags

Lag durations contained in the project schedule shall not have a negative value.

3.4 PROJECT SCHEDULE SUBMISSIONS

The Contractor shall provide the submissions as described below. The data for each submission is as follows:

The contractor shall provide a bar chart schedule for the first 30 calendar days of the contract at the Pre-construction conference.

3.4.1 Preliminary NAS Project Schedule Submission

The Preliminary NAS Project Schedule, defining the Contractor's planned operations for the first 90 calendar days shall be submitted for approval at within 30 days after NTP.

The approved preliminary schedule shall be used for payment purposes not to exceed 90 calendar days after NTP. The preliminary schedule shall be detailed for the first 90 days and depict the remainder of the project in summary format.

The preliminary schedule shall be submitted on data disk or CD (2 copies).

One hard copy of diagrams

Three hard copies of all sorts / report ----earning curve----manpower plot

3.4.2 Initial NAS Project Schedule Submission

The Initial NAS Project Schedule shall be submitted for approval within 30 calendar days after notice of design complete. The schedule shall include detailed activities for the entire project with a reasonable sequence of activities, and shall be at a reasonable level of detail as approved by the Contracting Officer.

The initial schedule shall be submitted on data disk or CD (2 copies),

One hard copy of diagrams

Three hard copies of all sorts / report - earning curve - manpower plot

3.4.3 Periodic {Monthly} Updates (entire NAS project schedule)

The Contractor shall submit monthly schedule updates to the Contracting Officer for approval. Monthly updates shall continue until the contract is accepted by the Contracting Officer. These submissions shall enable the Contracting Officer to evaluate the Contractor's monthly progress.

The monthly updates shall be submitted on data disk or CD (2 copies),

One hard copy of diagrams

Three hard copies of all sorts / report - earning curve - manpower plot

The contractor's invoice may be deemed as an improper invoice, if it fails to provide monthly updates acceptable to Contracting Officer, this may delay progress payment and may result in an interim unsatisfactory performance rating. The contractor shall include its requests to revise/adjust the NAS schedule for approval, prior to implementing the revisions into the official schedule.

3.4.4 Standard Activity Coding Dictionary

The Contractor shall use the activity coding structure defined in the Standard Data Exchange Format (SDEF) in ER 1-1-11, Appendix A. This exact structure is mandatory, even if some fields are not used.

3.5 SUBMISSION REQUIREMENTS

3.5.1 DATA DISKS

Two data disks containing the project schedule shall be provided. Data on the disks shall adhere to the SDEF format specified in ER 1-1-11, Appendix A.

3.5.1.1 File Medium

Required data shall be submitted on CD including the baseline and all updates (cumulative). Monthly data disks must be, 3.5 disks, formatted to hold 1.44 MB of data, under the MS-DOS Version S. or 6.x, unless otherwise approved by the Contracting Officer.

3.5.1.2 Disk Label

A permanent exterior label shall be affixed to each disk submitted. The label shall indicate the type of schedule (Preliminary, Initial, Update, or Change), full contract number, project name, project location, data date, name and telephone number or person responsible for the schedule, and the MS-DOS version used to format the disk

3.5.1.3 File Name

Each file submitted shall have a name related to either the schedule data date, project name, or contract number. The Contractor shall develop a naming convention that will ensure that the names of the files submitted are unique. The Contractor shall submit the file naming convention to the Contracting Officer for approval. Provide the naming convention (limited to 4 characters: i.e. Filename (contract 99-47) = 47BL for Baseline

and 4701 for 1st monthly.

3.5.2 Narrative Report

A Narrative Report shall be provided with the preliminary, initial, and each monthly update of the project schedule. This report shall include: a description of activities along the most critical paths, a description of current and anticipated problem areas or delaying factors and their impact, and an explanation of corrective actions taken or required to be taken. The narrative report is expected to relay to the Government, the Contractor's thorough analysis of the schedule output and its plans to compensate for any problems, either current or potential, which are revealed through that analysis.

If the contractor believes that any Government action or inaction has, or potentially, will impact its progress, it will include the specific notice of the fact in this report. This information should include the activity number of the impacted work, nature and duration of the impact.

The narrative report shall address all modifications and weather activities that were input for the progress and their impact on the contract completion and total float.

3.5.3 Approved Changes Verification

Only project schedule changes that have been previously approved by the Contracting Officer shall be included in the schedule submission. The Narrative Report shall specifically reference, on an activity-by-activity basis, all changes made since the previous period and relate each change to documented, approved schedule changes.

3.5.3.1 Project Monthly and Specific Milestone Dates

Milestone dates shall be shown on the diagram for start of project, each monthly milestone for the critical path activity in progress as of the data date, specific milestones such as: foundation complete, structure complete, roof complete, facility dried in, interim completion dates, and other specific contract milestones as required by the Contracting Officer.

3.5.4 Schedule Reports

The format for each activity for the schedule reports listed below shall contain: Activity Numbers, Activity Description, Original Duration, Remaining Duration, Early Start Date, Early Finish Date, Late Start Date, Late Finish Date, Total Float. Actual Start and Actual Finish Dates shall be printed for those activities in progress or completed.

Milestone Report

The established monthly and special milestones shall be included in this report. The milestones must be established for each significant project features such as:

Clearing-grading-demolition, foundation, slab-on-grade, structure-frame, exterior walls-windows, roof-building dry-in, interior walls-mechanical/electrical R/I, above ceiling mechanical/electrical R/I, ceiling, interior wall finish--doors, painting-coverings, floor finish, installation of mechanical/electrical and other equipment-fixtures-casework, plumbing, HVAC system, finish interior mechanical/electrical, testing-commissioning mechanical/electrical systems, onsite utilities, paving-landscaping, prefinal-final inspections - final cleanup and/or other features (as applicable for the project).

Late Start /Late Finish Report

Late Start –Actual Start/Late Finish-Actual Finish - total float - sorted by LS in chronological order from NTP date to contract completion date.

3.5.4.1 Activity Report

A list of all activities sorted according to activity number

3.5.4.2 Logic Report

A list of Preceding and Succeeding activities for every activity in ascending order by activity number. Preceding and succeeding activities shall include all information listed above in paragraph Schedule Reports. A blank line shall be left between each activity grouping.

3.5.4.3 Total Float Report

A list of all incomplete activities sorted in ascending order of total float. Activities which have the same amount of total float shall be listed in ascending order of Early Start Dates. Completed activities shall not be shown on this report.

3.5.4.4 Earnings Report

A compilation of the Contractor's Total Earnings on the project from the NTP until the most recent Monthly Progress Meeting. This report shall reflect the Earnings of specific activities based on the agreements made in the field and approved between the Contractor and Contracting Officer at the most recent Monthly Progress Meeting. Provided that the Contractor has provided a complete schedule update, this report shall serve as the basis of determining Contractor Payment. Activities shall be grouped by bid item and sorted by activity numbers. This report shall: sum all activities in a bid item and provide a bid item percent; and complete and sum all bid items to provide a total project percent complete. The printed report shall contain, for each activity: the Activity Number, Activity Description, Original Budgeted Amount, Total Quantity, Quantity to Date, Percent Complete (based on cost), and Earnings to Date.

3.5.5 Network Diagram

One hard copy of the network diagram shall be required on the preliminary schedule, initial schedule submission, and updated on each monthly schedule submissions. Monthly updates must indicate actual progress as of the data date. The network diagram shall depict and display the order and interdependence of activities and the sequence in which the work is to be accomplished.

Network diagrams shall show the order and interdependence of project activities and the

sequence in which the work is to be accomplished, as planned by the Contractor. The network diagramming procedure which will be used will show how the start of a given activity is dependent on the completion of preceding activities, and how its completion restricts the start of following activities.

Activity Duration:

The activity duration shall be indicated in "work" days, and revise the assigned calendar.

The contractor may request to change the work days from 5 days/week to 6 or 7 days/week should this action become necessary to regain the schedule due to problems unrelated to the Government actions.

Contractor submissions shall include reasonable activity durations as determined by the contractor and subcontractors. The durations are to be determined by the contractor using the planned crew size/composition.

ALL ACTIVITIES SHALL BE RESOURCE LOADED WITH THE CREW SIZE .

The network diagram shall be required on the initial schedule submission and on monthly schedule update submissions. The network diagram shall depict and display the order and interdependence of activities and the sequence in which the work is to be accomplished. The Contracting Officer will use, but is not limited to, the following conditions to review compliance with this paragraph:

3.5.5.1 Continuous Flow

Diagrams shall show a continuous flow from left to right with no arrows from right to left. The activity number, description, duration, and estimated earned value shall be shown on the diagram.

3.5.5.2 Project Milestone Dates

Dates shall be shown on the diagram for start of project, any contract required interim completion dates, and contract completion dates.

3.5.5.3 Critical Path

The critical path shall be clearly shown

3.5.5.4 Banding

Activities shall be grouped to assist in the understanding of the activity sequence. Typically, this flow will group activities by category of work, work area and/or responsibility.

3.5.5.5 Earning - S-Curves

Earnings (cash flow) curves (as required for submissions) shall show scheduled ES/EF and LS/LF curves

The monthly updates must indicate the actual progress plotted as of the data date.

The cash flow curves are affected by the assigned cost and duration of the activities.

The LS/LF cash flow curve is expected approximate a reasonable % earned for any % of duration completed based on previous contracts, which were completed on schedule.

Earnings curves showing projected early and late earnings and earnings to date.

3.6 PERIODIC-MONTHLY PROGRESS MEETINGS

There will be two progress meetings.

First- A progress update meeting will be held at the onsite between USACE and the authorized contractor representatives, on the agreed cut-off date established at the pre-construction conference. During this meeting the Contractor shall indicate it's requested percentage completed on each activity on which there was a revised percentage of completion. The Contracting Officer must approve actual progress percentages for each Progress meetings to discuss payment shall include a monthly onsite meeting or other regular intervals mutually agreed to at the pre-construction conference. During this meeting the Contractor shall describe, on an activity-by-activity basis, all proposed revisions and adjustments to the project schedule required to reflect the current status of the project. The Contracting Officer will approve activity progress, proposed revisions, and adjustments as appropriate.

The updated progress data will be evaluated at the second progress meeting.

Second- A progress evaluation meeting shall be held with the contractor, after the updating of the current progress period work activities percentage is complete including modifications and adverse weather activities, to evaluate progress and the NAS schedule.

Adjustments to the NAS schedule - Update information must include the Actual Start Dates, Actual Finish Dates, Remaining Durations, and Cost-to-Date. The Contractor must address all the activities on an activity-by-activity basis during the second progress meeting.

The monthly updated NAS schedule is submitted to the Contracting Officer, for approval, with the contractor's request for progress payment. The evaluation will include a review of actual durations compared to scheduled durations for critical and non-critical activities, progress on critical activities and near critical activities, trends, and current/potential problem areas, cash flow progress, and projected workflow of activities.

The contractor's narrative report shall be available for review at least three days prior to the second progress meeting.

The monthly NAS schedule update must include an adverse weather activity for work activities impacted greated than 50% of the work shift or were impacted by previous adverse weather (carry-over). The adverse weather activities must be added and applied to the NAS schedule, (all work activities –within 10 days float or less when compared to the current critical path and current critical activities) AFTER all of the modifications finalized within the month have been applied to the NAS schedule in the sequential order of

finalization during the progress month. The time extension for usually severe weather (in calendar days) must result from the agreement reached or (as directed) by the Contracting Officer) following the joint Contractor and Contracting Officer monthly weather evaluation held to review the CQC and QA daily reports, not later than 7 calendar days after the end of the progress month. The Contracting Officer will confirm the results of this evaluation to the contractor in writing monthly.

The official contract completion date must be revised on the NAS schedule, monthly (if applicable) based on the Contracting Officer's letter confirming the results of the monthly evaluation, to include the time extension in calendars of unusually severe weather (actual adverse weather impact less the specified anticipated adverse weather impact, for the specific month). A new work activity shall be entered into the NAS schedule adjacent to the critical path activity affected by the unusually severe weather for each month—during the monthly schedule update, based on the agreed number of calendar days for each month.

A contract modification (SF 30) for a time extension to the official contract completion date, due to unusually severe weather (if any), will be completed quarterly by the Contracting Officer based on the monthly evaluations.

3.6.1 Meeting attendance

The Contractor's Project Manager/Superintendent, Chief Quality Control, and Contractor's Scheduler, (as approved in paragraph B), shall attend the second monthly progress meeting. The onsite Government representatives shall be advised of the meetings location, time and date.

3.6.2 Update submission following progress meeting

A complete update of the entire NAS project progress schedule containing all approved revisions, and adjustments, based on the second monthly progress meeting, shall be submitted not later than 6 working days after the second monthly progress meeting, (if applicable).

3.6.3 Progress Meeting contents

3.6.3.1 Start and Finish Dates

The Actual Start and Actual Finish dates for each activity currently in-progress or completed.

3.6.3.2 Time Completion

The estimated Remaining Duration for each activity in-progress. Time-based progress calculations shall be based on Remaining Duration for each activity.

3.6.3.3 Cost Completion

The earnings for each activity started. Payment will be based on earnings for each in-progress or completed activity. Payment for individual activities will not be made for work that contains quality defects. A portion of the overall project amount may be retained based on delays of activities.

3.6.3.4 Logic Changes

All logic changes pertaining to NTP on change orders, change orders to be incorporated into the schedule, contractor proposed changes in work sequence, corrections to schedule logic for out-of-sequence progress, lag durations, and other changes that have been made pursuant to contract provisions shall be specifically identified and discussed.

3.6.3.5 Other Changes

Other changes required due to delays in completion of any activity or group of activities include: 1) delays beyond the Contractor's control, such as strikes and unusual weather. 2) delays encountered due to submittals, Government Activities, deliveries or work stoppages, which make re-planning the work necessary. 3) Changes required correcting a schedule, which does not represent the actual or planned prosecution and progress of the work.

3.7 REQUESTS FOR TIME EXTENSIONS

In the event the Contractor requests a time extension of the contract completion date, or any interim milestone date, the Contractor shall furnish the following for a determination as to whether or not the Contractor is entitled to an extension of time under the provisions of the contract: justification, project schedule data, and supporting evidence as the Contracting Officer may deem necessary. Submission of proof of delay shall be based on a subnet/fragnet of work activities, revised activity logic, duration, and costs (updated to the specific date that the delay occurred) is required for any time extension approvals. The project schedule shall clearly display that the Contractor has used, in full, all the float time available for the work involved with this request. Actual delays that are found to be caused by the Contractor's own actions, which result in the extension of the schedule, shall not be a cause for a time extension to the contract completion date.

3.7.1 Justification of Delay

The project schedule shall clearly display that the Contractor has used, in full, all the float time available for the work involved with this request. The Contracting Officer's determination as to the number of allowable days of contract extension shall be based upon the project schedule updates in effect for the time period in question, and other factual information. Actual delays that are found to be caused by the Contractor's own actions, which result in the extension of the schedule, will not be a cause for a time extension to the contract completion date.

3.7.2 Submission Requirements –for time extension requests

The Contractor shall submit a comprehensive time analysis and justification for each “Request for Proposal” for a change in the contract, based upon the most recent approved schedule update at the time of the RFP issued. Such a time analysis and justification shall be in accordance with the requirements of other appropriate Contract Clauses and shall include, as a minimum:

a. A subnet/fragnet of activities indicating all new change activities and the affect on existing schedule activities.

b. A brief explanation of the causes of the change.

c. An analysis of the overall impact the subnet/fragnet has when applied to the current-updated approved NAS schedule.

Activities impacted in each justification for change shall be identified by a unique activity code contained in the required data file.

Modifications to the contract

Unpriced, unilateral and bilateral (without agreement on time) modifications

Upon receipt of the signed SF 30, for un-priced and unilateral modifications (or bilateral modifications with agreement on costs without an agreement on time, the Contractor shall submit proposed schedule revisions (in the form of a proposed subnet/fragnet) to the Contracting Officer for approval, within 14 days of the SF 30 being issued. The proposed (subnet/fragnet) revisions to the schedule will be approved by the Contracting Officer prior to application of those changes within the project schedule.

Should the contractor fail or refuse to submit the provisions, the Contracting Officer may furnish the Contractor suggested (subnet/fragnet) revisions to the project schedule.

Upon receipt, the Contractor shall include these subnet/fragnet revisions in the project schedule.

If the Contractor has any objections to the revisions furnished by the Contracting Officer, the Contractor shall advise the Contracting Officer within 14 days of receipt of the revisions.

Regardless of the objections, the Contractor shall continue to update the schedule with the Contracting Officer's revisions until a mutual agreement on the revisions is reached.

If the Contractor fails to submit alternative revisions within 2 weeks of receipt of the Contracting officer's proposed revisions, the contractor will be deem to have concurred with the Contracting Officer's proposed revisions. The proposed revisions will be the basis for an “equitable adjustment" for performance of the work.

Bilateral modifications shall be entered into the NAS schedule, utilizing the subnet/fragnet as agreed during negotiations, immediately after receipt of signed SF 30. Entries to the schedule must be approved by Contracting Officer.

All modifications subnets/fragnets shall be applied to the NAS schedule immediately in the sequence in which they were finalized (received signed SF 30). The modification with time extension shall result in new work activities entered adjacent to the critical path work activity affected by the modification.

Weather time extensions must be included monthly upon receipt of the written results of the monthly weather evaluation from the Contracting Officer.

Contractor falls behind the approved project schedule

If the Contractor falls behind its approved schedule, (behind the LS/LF cash flow curve or more than 15 work days of negative float) or performs the work in such a manner that the network diagram and mathematical analysis no longer indicate reasonable logic and duration for completion of the work by the current contract completion date, as determined by the Contracting Officer, the Contractor shall promptly provide a supplemental NAS recovery or completion schedule for completion by the current completion date, by reducing the remaining durations, revising logic, or adjusting resources onsite (in addition to the original approved NAS schedule) as approved by the Contracting Officer. The supplemental schedule shall be (resource loaded with crew size and productivity for each remaining activity, and indicating overtime, weekend work, double shifts needed to regain the schedule), in accordance with FAR 52.236-15, without additional cost to the Government. The supplement schedule shall not replace the original approved schedule as the official contract schedule. The original approved schedule shall be updated monthly (in addition to the supplemental schedule) and monitored by the contractor and the Contracting Officer to determine the effect of the supplemental schedule progress has on the contract progress to regain its rate of progress for timely completion as specified.

The Contractor shall not artificially improve its progress by revising the schedule logic restraints or shortening future work activity durations. The contractor may improve its progress by performing sequential work activities concurrently or by performing activities more quickly than planned, but such improvements shall be indicated on a supplement schedule and shall not be recorded on the official until they have actually been achieved by the contractor. The additional resources required to improve the progress must be evident on the work site.

Failure of the contractor to perform work and maintain progress in accordance with the supplemental recovery or completion schedule, may result in an interim and final unsatisfactory performance rating and/or may result in corrective action by the contraction officer in accordance with FAR 52.236-15.

a. A list of affected activities, with their associated project schedule activity number.

b A brief explanation of the causes of the change

c. An analysis of the overall impact of the changes proposed

d. Sub-network of the affected area

Activities impacted in each justification for change shall be identified by a unique activity code contained in the required data file.

3.7.3 Additional Submission Requirements

For any requested time extension of over 2 weeks, the Contracting Officer may request an interim update with revised activities for a specific change request. The Contractor shall provide this disk within 4 days of the Contracting Officer's request.

3.8 DIRECTED CHANGES

If the NTP is issued for changes prior to settlement of price and/or time, the Contractor shall submit proposed schedule revisions to the Contracting Officer: within 2 weeks of the NTP being issued. The proposed revisions to the schedule will be approved by the Contracting Officer prior to inclusion of those changes within the project schedule. If the Contractor fails to submit the proposed revisions, the Contracting Officer may furnish the Contractor with suggested revisions to the project schedule. The Contractor shall include these revisions in the project schedule until revisions are submitted, and final changes and impacts have been negotiated. If the Contractor has any objections to the revisions furnished by the Contracting Officer, the Contractor shall advise the Contracting Officer within 2 weeks of receipt of the revisions. Regardless of the objections, the Contractor shall continue to update the schedule with the Contracting Officer's revisions until a mutual agreement in the revisions is reached. If the Contractor fails to submit alternative revisions within 2 weeks of receipt of the Contracting Officer's proposed revisions, the Contractor will be deemed to have concurred with the Contracting Officer's proposed revisions. The proposed revisions will then be the basis for an equitable adjustment for performance of the work.

3.9 OWNERSHIP OF FLOAT

Float available in the schedule, at any time, shall not be considered for the exclusive use of either the Government or the Contractor.

End of Section

SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01500

TEMPORARY CONSTRUCTION FACILITIES

-- End of Section Table of Contents --

1.9 Telephone

Provide and pay for telephone installation and service for field offices. Maintain service for duration of operations under this Contract.

1.10 SANITARY FACILITIES

Contractor shall provide his own toilet facilities for the duration of the Contract. Provide proper, adequate, sanitary toilet facilities for use of all workers employed on Project, in accordance with State and Local Health Departments.

1.11 BULLETIN BOARD, PROJECT SIGN, AND PROJECT SAFETY SIGN

1.11.1 Bulletin Board

Immediately upon beginning of work, the Contractor shall provide a weatherproof glass-covered bulletin board not less than 915 by 1220 mm (36 by 48 inches) in size for displaying the Equal Employment Opportunity poster, a copy of the wage decision contained in the contract, Wage Rate Information poster, and other information approved by the Contracting Officer. The bulletin board shall be located at the project site in a conspicuous place easily accessible to all employees, as approved by the Contracting Officer. Legible copies of the aforementioned data shall be displayed until work is completed. Upon completion of work the bulletin board shall be removed by and remain the property of the Contractor.

1.11.2 Project and Safety Signs

(A) General:

The Contractor shall construct and erect one project sign,***and*** one safety sign ***for this project*** and ***shall construct and erect*** a minimum of 1 hard hat sign at ***each entrance to the project*** locations ***as*** designated by the Contracting Officer. The signs shall conform to the requirements of the drawings attached at the end of this section. The signs shall be erected as soon as possible and within 15 days after date of commencement of work under this contract. The data required by the safety sign shall be corrected daily.

(B) Maintenance and Disposal:

The Contractor shall maintain the signs in good condition throughout the life of the project. Signs shall remain the property of the Contractor and upon completion of the project they shall be removed from the site.

(C) Materials:

(1) Lumber shall conform to DOC PS 20 and grading rules of applicable grading agencies, WCLIB or WWPA. Grade shall be "Standard" or better Douglas Fir, S4S and shall be stamped S-Dry.

(2) Plywood: Plywood shall conform to DOC PS 1, Grade AC, Group 1, Exterior.

(3) Bolts, Nuts and Nails: Bolts and nuts shall be galvanized, and type, and size best suited for intended for use. Nails shall conform to

ASTM F 547.

(4) Paint: Type of paint for primer, finish coats, and lettering, shall be as indicated on the attached standard drawing, Project Sign, paragraph PAINTING. The color of signs and lettering shall be as directed by the Contracting Officer. Safety signs shall be painted in the same colors as the project sign. Hard hat signs shall be painted as indicated on the attached drawing.

(5) Decals: Corps of Engineers castle decal and the hard hat decal called for on the signs will be furnished by the Government.

(C) Construction:

(1) Signs shall be constructed as detailed on attached drawings.

(2) Painting: All exposed surfaces and edges of plywood shall be given one coat of linseed oil and be wiped prior to applying primer. All exposed surfaces of signs and supports shall be given one coat of primer and one finish coat as indicated. All lettering shall be sized as indicated. Width of letter stroke shall be 1/6 of the letter height, except as noted.

(D) Maintenance and Disposal:

The Contractor shall maintain the signs in good condition throughout the life of the project. Signs shall remain the property of the Contractor and upon completion of the project they shall be removed from the site.

1.12 PROTECTION AND MAINTENANCE OF ***TRAFFIC***

During construction the Contractor shall provide access and temporary relocated roads as necessary to maintain traffic. The Contractor shall maintain and protect traffic on all affected roads during the construction period except as otherwise specifically directed by the Contracting Officer. Measures for the protection and diversion of traffic, including the provision of watchmen and flagmen, erection of barricades, placing of lights around and in front of equipment and the work, and the erection and maintenance of adequate warning, danger, and direction signs, shall be as required by the State and local authorities having jurisdiction. The traveling public shall be protected from damage to person and property. The Contractor's traffic on roads selected for hauling material to and from the site shall interfere as little as possible with public traffic. The Contractor shall investigate the adequacy of existing roads and the allowable load limit on these roads. The Contractor shall be responsible for the repair of any damage to roads caused by construction operations.

1.12.1 Haul Roads

The Contractor shall, at its own expense, construct access and haul roads necessary for proper prosecution of the work under this contract. Haul roads shall be constructed with suitable grades and widths; sharp curves, blind corners, and dangerous cross traffic shall be avoided. The Contractor shall provide necessary lighting, signs, barricades, and distinctive markings for the safe movement of traffic. The method of dust control, although optional, shall be adequate to ensure safe operation at all times. Location, grade, width, and alignment of construction and hauling roads shall be subject to approval by the Contracting Officer. Lighting shall be adequate to assure full and clear visibility for full width of haul road and work areas during any night work operations. Upon

that his work does not change existing drainage patterns that could cause flooding of the job site or adjacent properties.

1.13.14 Protection of Existing Facilities

Any damage to existing structures, equipment, roads, walks, landscaping or other items of the existing site or adjacent property from Work performed under the Contractor, shall be the responsibility of the Contractor. The Contractor shall repair, replace and make good all such damage to the satisfaction of the Contracting Officer.

1.13.15 Security Fencing

The Contractor shall install all required fencing and barricades prior to the start of construction.

1.13.16 Maintenance and Removal

Maintain all temporary facilities and controls as long as needed for safe and proper completion of Work; remove all such temporary facilities and controls as rapidly as progress of Work will permit.

1.13.17 Protection

Use all means necessary to maintain tempor-ary facilities and controls in proper and safe condition throughout progress of Work.

1.13.18 Damage or Theft

Protect work and materials to be used on project from damage or loss due to elements, theft, vandalism, malicious mischief, or other causes. Provide temporary roofs, window and door coverings, boxing or other construction as required.

1.14 GOVERNMENT FIELD OFFICE

~~1.14.1 Resident Engineer's Office~~

~~The Contractor shall provide the Government Resident Engineer with an office, approximately 19 square meters (200 square feet) in floor area, located where directed and providing space heat, electric light and power, and toilet facilities consisting of one lavatory and one water closet complete with connections to water and sewer mains. A mail slot in the door or a lockable mail box mounted on the surface of the door shall be provided. At completion of the project, the office shall remain the property of the Contractor and shall be removed from the site. Utilities shall be connected and disconnected in accordance with local codes and to the satisfaction of the Contracting Officer.~~

~~1.14.2 Field Office Building for the Contracting Officer~~

~~The Contractor shall supply and maintain a lockable field office for the exclusive use of the Contracting Officer, separate and distinct from any facility used by the Contractor. It shall consist of a trailer or sections of trailers or equivalent placed on concrete blocks and leveled and provided with adequate steps at each exterior door. The trailer and its associated equipment shall be new or recently renovated to a like new condition.~~

~~The trailer shall be provided with and equipped with the following as a minimum:~~

~~a) Lighting: Electric light, non-glare type luminaires to provide a minimum illumination level of one hundred (100) foot candles at desk height.~~
~~b) Heating and Cooling: Adequate equipment to maintain an ambient air temperature of approximately seventy (70) degrees F plus or minus 3 degrees F.~~
~~c) Water closet and lavatory: A separately enclosed room or separate unit properly ventilated and complying with applicable sanitary codes including water.~~
~~d) Fire extinguisher: Non toxic, dry chemical, meeting Underwriters Laboratories, Inc., approved for Class A, Class B, and Class C fires with a minimum rating of 2A, 10B, and 10C.~~
~~e) Janitorial services shall be provided on a daily basis.~~
~~f) Sufficient supply of electrical outlets (110 volts).~~
~~g) Three partitioned offices each having a minimum of sixty four (64) square feet of floor area. Each office shall have at least one (1) operable window and shall be supplied with the following equipment:~~
~~1) Office desk sixty (60) inch by thirty (30) inch top with lockable drawers, swivel chair with arms, and table [sixty (60) inch by thirty (30) inch laminated top].~~
~~2) Prewired for two telephone lines with jacks.~~
~~3) Fire resistant , two drawer, lockable, legal size filing cabinet.~~
~~4) Shelf set, two (2) shelves high by twelve (12) inches deep by three (3) feet long attached to the wall.~~
~~5) Waste basket.~~
~~h) One partitioned meeting area having a minimum of ninety six (96) square feet of floor area. The meeting area shall contain the following:~~
~~1) One (1) office table two and one half (2 1/2) feet by eight (8) feet with laminated top.~~
~~2) Eight (8) straight backed chairs.~~
~~3) Bulletin board, four (4) feet by six (6) feet, attachable to wall.~~
~~4) Waste basket.~~

~~5) Vertical filing plan rack for one (1) set of thirty (30) inch by forty two (42) inch plans.~~
~~6) Bottled water dispenser with hot and cold taps. Water shall be furnished as needed.~~

1.14.1 Temporary Facilities (Field Office Building for Contracting Officer)

The Contractor shall supply and maintain a lockable field office for the exclusive use of the Contracting Officer, separate and distinct from any facility used by the Contractor. It shall consist of a trailer or sections of trailers or equivalent, approximately 28 square meters (300 sf), placed and leveled and provided with adequate steps at each exterior door. The trailer and its associated equipment shall be new or recently renovated to like new condition.

The trailer/trailers shall be provided with and equipped with the following as a minimum:

a) Lighting: Electric light, non-glare type, luminaires to provide a minimum illumination level of one hundred (100) foot-candles at desk height.

b) Heating and Cooling: Adequate equipment to maintain an ambient air temperature of approximately seventy (70) degrees F plus or minus 3 degrees F.

c) Fire extinguisher: Non-toxic, dry chemical, meeting Underwriters Laboratories, Inc., approved for Class A, Class B, and Class C fires with a minimum rating of 2A, 10B, and 10C.

d) Janitorial services shall be provided by the contractor on a daily basis.

e) Sufficient supply of electrical outlets (110 volts).

f) Two partitioned offices each having a minimum of 9.3 square meters (100 sf) of floor area. Each office shall have at least one (1) operable window (all windows shall be provided with mini-blinds), and each office shall be supplied with the following equipment:

1) Office desk approximately 0.8m wide by 1.5m long(30"Wx60"L) with lockable drawers, swivel five roller desk chair with arms, and a plan table approximately 0.8m wide by 1.5m long(30"Wx60"L).

2) Prewired for telephone lines with jacks.

3) A 5 drawer filing cabinet, lockable, standard size filing cabinet.

4) Shelf set, three (3) shelves high by 0.3m (12") inches deep by 0.9m (3') feet long.

5) Waste basket.

g) One partitioned meeting area having a minimum of 9.3 square meters (100 sf) of floor area. The meeting area shall contain the following:

1) One (1) meeting table 0.8m wide by 2.4m long (2.5'x8'), with laminated top.

2) Eight (8) five roller chairs.

3) Bulletin board, 1.2m by 1.8m (4'x6'), attached to wall.

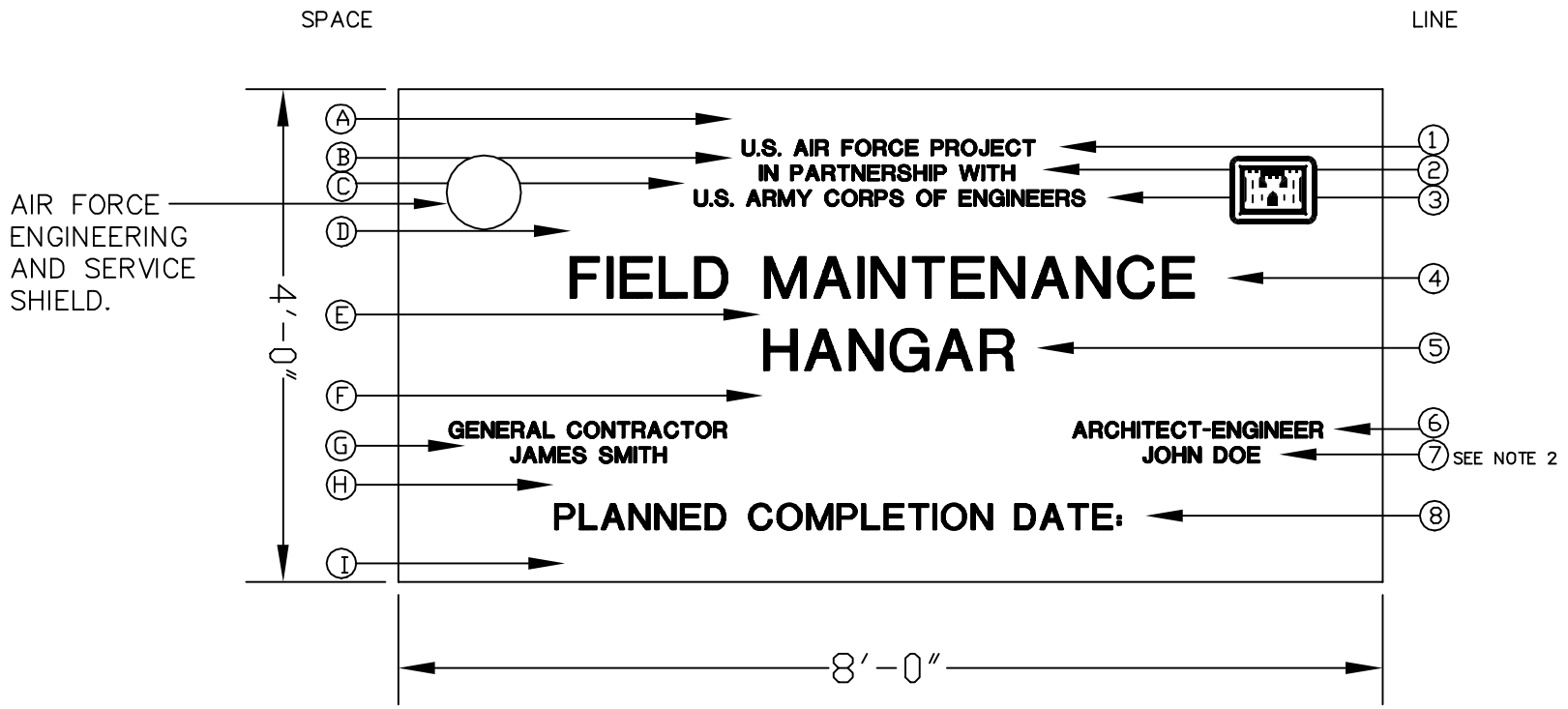
4) White board, 1.2m by 1.8m (4'x6'), attached to wall.

5) Waste basket.

6) Vertical filing plan rack for five (5) sets of standard "C" size plans.

7) Bottled water dispenser with hot and cold taps. Water shall be furnished by the contractor as needed.

8) Prewired for telephone lines with jacks.



SAMPLE CONSTRUCTION SIGN

SCHEDULE

SPACE	HEIGHT	LINE	DESCRIPTION	LETTER HEIGHT	STROKE
A	5"	1	U.S AIR FORCE PROJECT	1.5"	3/16"
B	1"	2	IN PARTNERSHIP WITH	1.5"	3/16"
C	1"	3	U.S. ARMY CORPS OF ENGINEERS	1.5"	3/16"
D	5"	4	PROJECT NAME	4"	1/2"
E	3"	5	PROJECT NAME (IF REQUIRED)	4"	1/2"
F	5"	6	GENERAL CONTRACTOR/A-E	1.5"	3/16"
G	1"	7	GENERAL CONTRACTOR/A-E	1.5"	3/16"
H	4"	8	PLANNED COMPLETION DATE	2.5"	1/4"
I	5"				

NOTES:

1. BACKGROUND AND LETTER COLORS SHELL BE AS SPECIFIED IN SECTION 01500.
2. "CORPS OF ENGINEERS" (FOR SACRAMENTO DISTRICT IN-HOUSE DESIGN PROJECTS ONLY).

STANDARD DETAIL

PROJECT SIGN

U.S. AIR FORCE

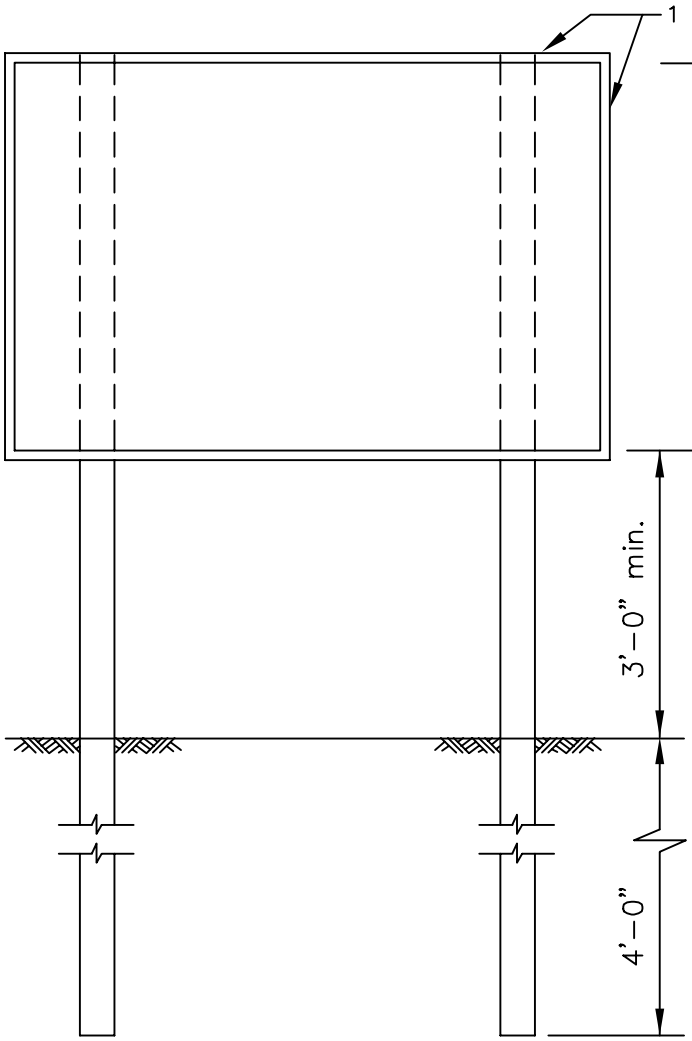
U.S. ARMY ENGINEER DISTRICT SACRAMENTO

Drawn T. Tufts Not to Scale

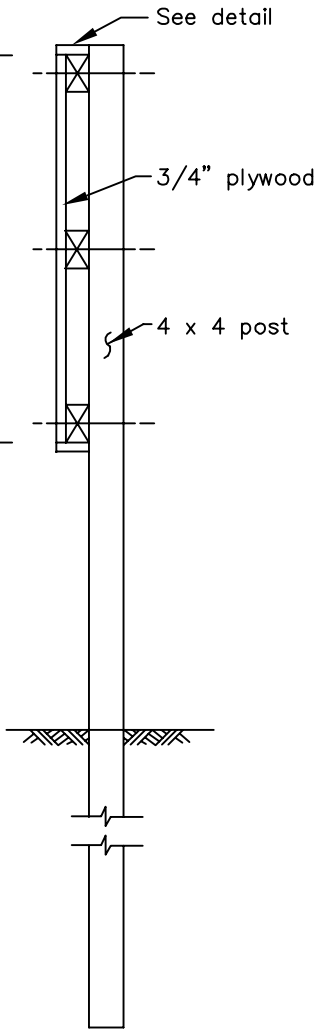
Checked R. Simmons AUGUST 1994

File. No. 150-25-1162

ACAD DRAWING: SIGN1162 DWG. 9, AUG. 94



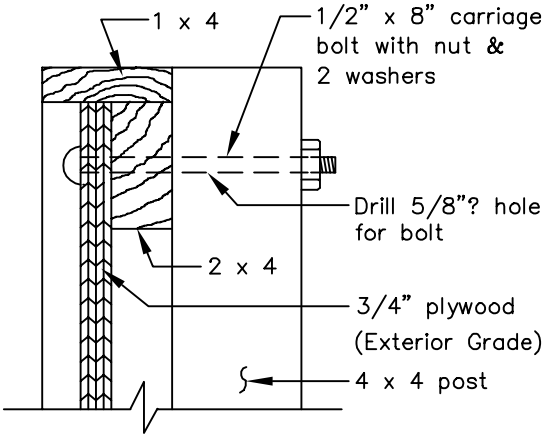
ELEVATION



SECTION

GENERAL NOTES:

1. Lumber to be cut & formed accurately.
2. Secure 1 x 4 and plywood with 6d finish nails at not less than 12" O.C.
3. All exposed nails to be set & holes filled with putty.
4. Sign to be set in good solid ground & backfill carefully tamped into place.
5. Where necessary posts shall be braced to provide a solid installation.
6. Paint primer (Fed. Spec. TT-P-25)
   Paint primer (Fed. Spec. TT-E-529)



DETAIL

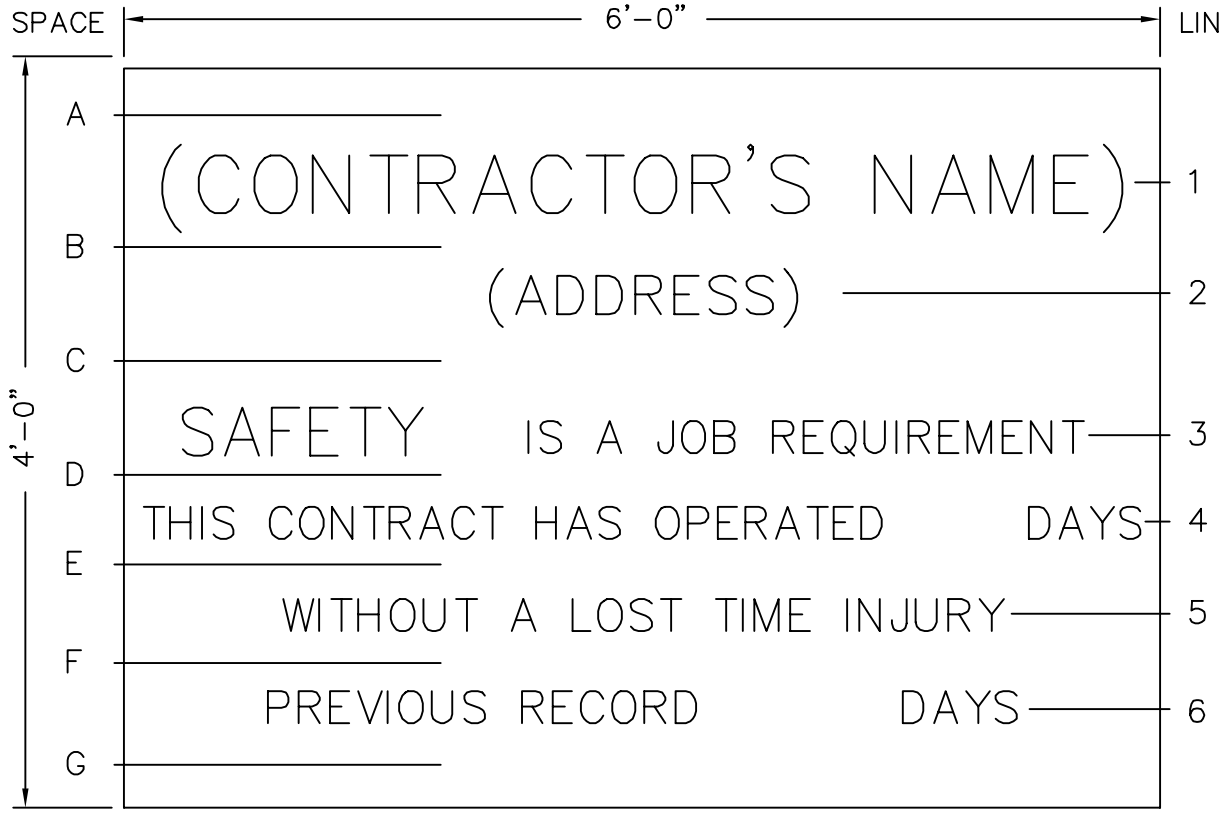
STANDARD DETAIL

SIGN DETAILS

U.S. ARMY ENGINEER DISTRICT
SACRAMENTO

Drawn M.Koenig — Not to Scale
Checked R. Simmons — 1987
File No. 150-25-1232

ACAD Drawing SIGN1232.DWG 198



SCHEDULE

SPACE	HEIGHT	LINE	DESCRIPTION	LETTER HEIGHT
A	5"			
		1	CONTRACTOR'S NAME	5"
B	3"			
		2	ADDRESS	3"
C	6"			
		3	SAFETY IS A JOB REQUIREMENT	4 1/2" & 3"
D	3"			
		4	ALL LETTERING	3"
E	3"			
		5	ALL LETTERING	3"
F	3"			
		6	ALL LETTERING	3"
G	5"			

NOTE:

LETTERING SHALL BE BLACK No. 27038, FEDERAL STANDARD 595A.
SIGN SHALL BE INSTALLED IN THE SAME MANNER
AS THE PROJECT SIGN.

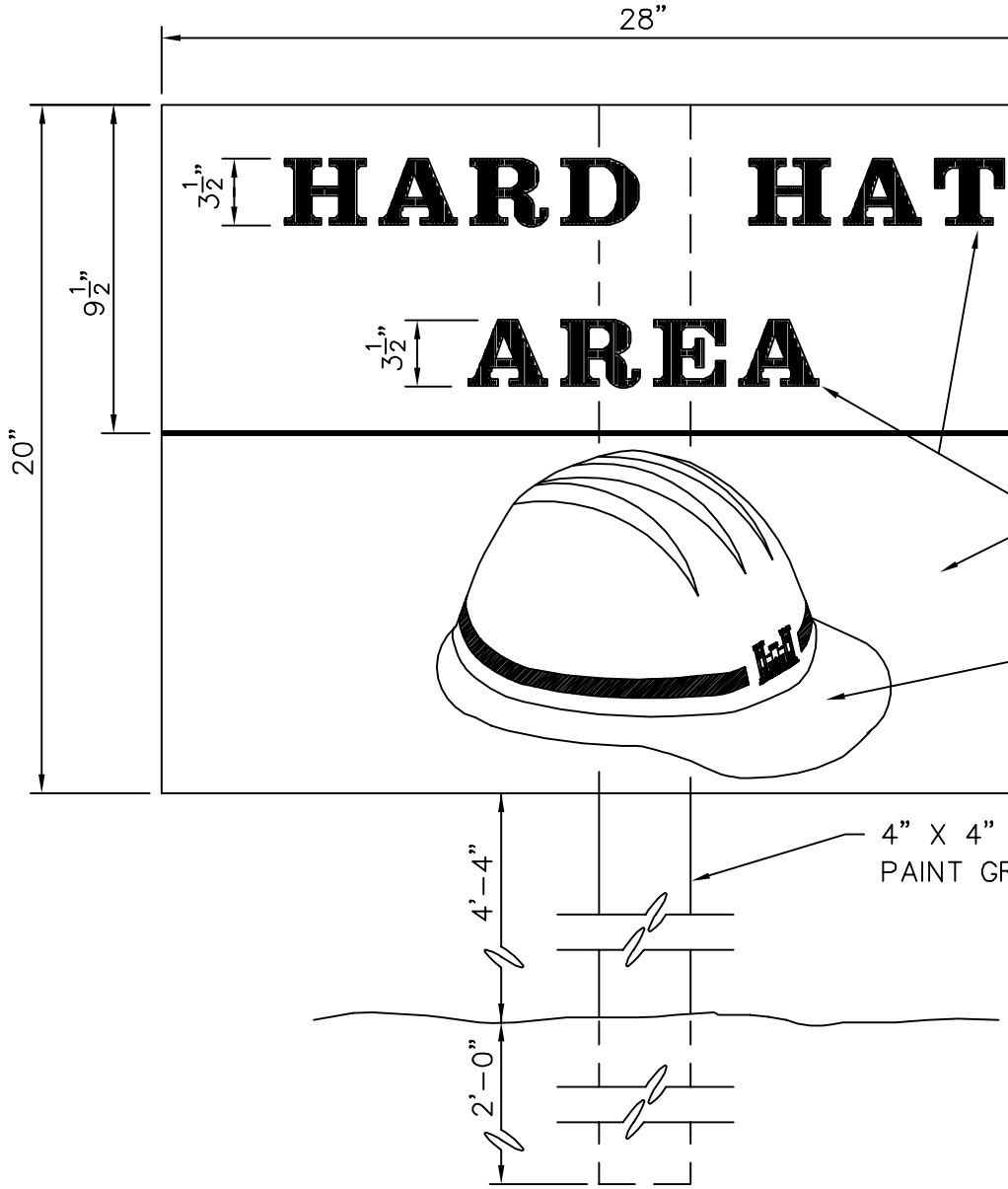
STANDARD DETAIL

SAFETY SIGN

U S ARMY ENGINEER DISTRICT
SACRAMENTO

Drawn T. Tufts Not to Scale
Checked R. Simmons AUG. 1988
File number 80-25-707

ACAD DRAWING: SIGN 707 DWG. 9, DEC. 88



WHITE:
PAINT BACK OF SIGN WHITE

GREEN

HARD HAT DECAL FURNISHED
BY GOVERNMENT

GENERAL NOTES:

1. Green & White Paint shall be opaque glossy as specified in ANSI Z535.1

2. Bolt SIgn to post w/$2\frac{1}{2}$" dia. Carriage Bolts.

STANDARD DETAIL

HARD HAT SIGN

U.S. ARMY ENGINEER DISTRICT
SACRAMENTO

Drawn T. Tufts — Not to Scale
Checked R. Simmons — JAN. 1996
File No. 80-25-774

ACAD DRAWING: SIGN774 DWG. 31, JAN. 96

SCHEDULE OF DRAWINGS

	SHT. NO.	DRAWING TITLE
		GENERAL
1	G1.00	TITLE SHEET
2	G2.00	SCHEDULE OF DRAWINGS
3	G3.00	LOCATION & VICINITY MAPS
4	G4.00	METRIC CONVERSION CHARTS
		SURVEYS
5	V1.00	INDEX
6	V1.01	TOPOGRAPHY
7	V1.02	TOPOGRAPHY
8	V1.03	TOPOGRAPHY
9	V1.04	TOPOGRAPHY /1\ /2\
10	V1.05	TOPOGRAPHY
11	V1.06	TOPOGRAPHY
12	V1.07	TOPOGRAPHY
13	V1.08	TOPOGRAPHY
14	V1.09	TOPOGRAPHY /1\
		CIVIL
15	C1.10	EXISTING UTILITIES & DEMOLITION PLAN /1\ /2\
16	C1.20	PREFERRED SITE PLAN
17	C1.30	UTILITY PLAN /1\
		LANDSCAPE
18	L1.00	LANDSCAPE LAYOUT (NORTHERN PORTION)
19	L1.01	LANDSCAPE LAYOUT (SOUTHERN PORTION)
20	L1.02	LANDSCAPE LAYOUT (NORTHERN PORTION)
21	L1.03	LANDSCAPE LAYOUT (EASTERN PORTION)
22	L3.00	LANDSCAPE PLANTING PLAN (SOUTHERN PORTION)
23	L3.01	LANDSCAPE PLANTING PLAN (NORTHERN PORTION)
24	L3.02	LANDSCAPE PLANTING PLAN (EASTERN PORTION)
		ARCHITECTURAL
25	A1.00	1ST FLOOR KEY PLAN
26	A1.01	1ST FLOOR AREA 'A'
27	A1.02	1ST FLOOR AREA 'B'
28	A1.03	2ND FLOOR KEY PLAN

	SHT. NO.	DRAWING TITLE
		ARCHITECTURAL CONTINUED
29	A1.04	2ND FLOOR AREA 'A'
30	A1.05	2ND FLOOR AREA 'B'
31	A1.06	3RD FLOOR KEY PLAN
32	A1.07	3RD FLOOR AREA 'A'
33	A1.08	3RD FLOOR AREA 'B'
34	A1.09	1ST FLOOR ENLARGED COMMON AREA PLAN
35	A1.10	1ST FLOOR COMMON AREA DIMENSION PLAN
36	A1.11	1ST FLOOR COMMON AREA REFLECTED CEILING PLAN
37	A1.12	2ND & 3RD FLOOR ENLARGED COMMON AREA PLANS
38	A1.13	2ND & 3RD FLOOR ENLARGED COMMON AREA DIMENSION PLANS
39	A1.14	2ND & 3RD FLOOR ENLARGED COMMON AREA REFLECTED CEILING PLANS
40	A1.15	ROOM UNIT MODULE PLANS
41	A1.16	ROOM UNIT MODULE DIMENSION PLAN
42	A1.17	ROOM UNIT MODULE REFLECTED CEILING PLAN
43	A1.18	PRELIMINARY ROOF PLAN
44	A2.00	NORTH & SOUTH ELEVATIONS
45	A2.01	EAST & WEST ELEVATIONS
46	A3.00	BUILDING SECTIONS
47	A3.01	BUILDING SECTIONS
48	A4.00	ENLARGED PLANS & INTERIOR ELEVATIONS
49	A4.01	INTERIOR ELEVATIONS CONTINUED
50	A4.02	INTERIOR ELEVATIONS CONTINUED
51	A4.03	MAILBOX PLANS & ELEVATIONS
52	A6.00	EXTERIOR COLOR/FINISH SCHEDULE & ABBREVIATIONS
53	A6.01	INTERIOR FINISH SCHEDULES
54	A6.02	PRELIMINARY DOOR SCHEDULES
		ELECTRICAL
55	E1.01	ELECTRICAL SITE PLAN GLOBAL HAWK DORM

	SHT. NO.	DRAWING TITLE

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved
	REVISIONS		
1	REVISIONS TO DEMOLITION NOTES.		

Date: 22 SEPT 2003 | Rev.
Design file no: 131-25-1333 | Spec No.: 1319
Drawing Code: 33X
File name: 8330-200002.dwg
Plot date: 06/10/03
Dwg scale: AS NOTED

Designed by: MK BAILEY
Drawn by: MKB
Reviewed by: D SHIN
Submitted by: /S/ R. Baker
Date Accepted for Des. Sec.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

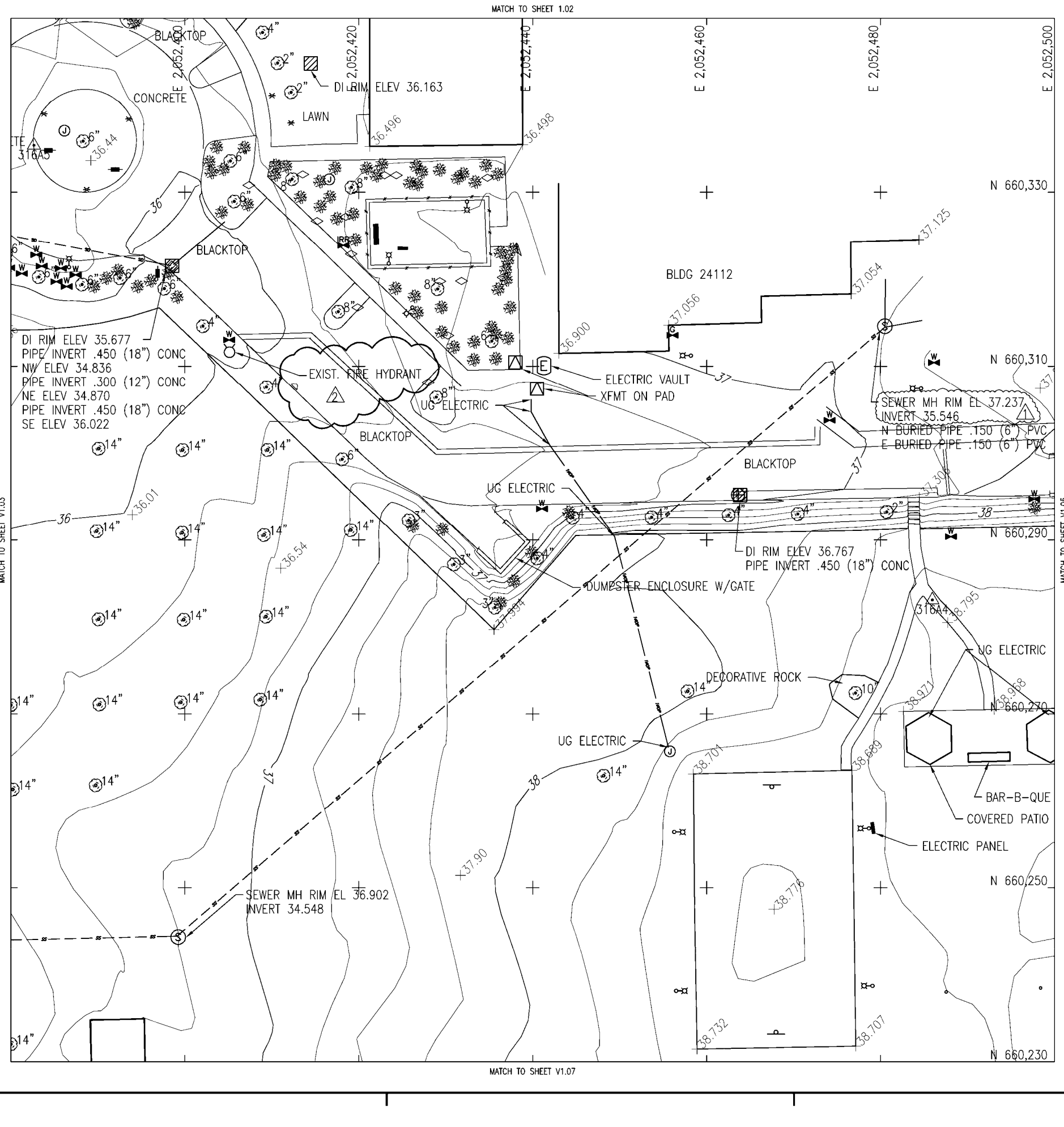
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 "J" STREET
SACRAMENTO, CA 95814-2922

BEALE AIR FORCE BASE CALIFORNIA
GLOBAL HAWK DORMITORY (96 PERSON)
PN BAEY051001
BUILDING 24109
SCHEDULE OF DRAWINGS

Sheet reference number:
G2.00

AM-04

Border Revised 10/20/02 CEDPMD.DWG



SURVEY NOTES

1. GRID COORDINATES ARE IN METERS AND REFER TO THE CALIFORNIA STATE COORDINATE SYSTEM ZONE 2, NAD 83, AND ARE BASED ON STATIONS 9473, 131-294, 2016-F, 9666-1D.
2. ELEVATIONS ARE IN METERS AND REFER TO NGVD 1929, AND ARE BASED ON STATIONS 9473, 131-294, 2016-F, HV2.
3. TOPOGRAPHY BY GROUND SURVEY METHODS. FIELD SURVEY DATE MARCH 2003.
4. ORIGINAL SURVEY SHOWN ON DRAWING FILE NO. 131-13-1345.
5. COMBINED FACTOR IS 0.999906070 FROM GRID TO SURFACE.

CONTROL TABULATION

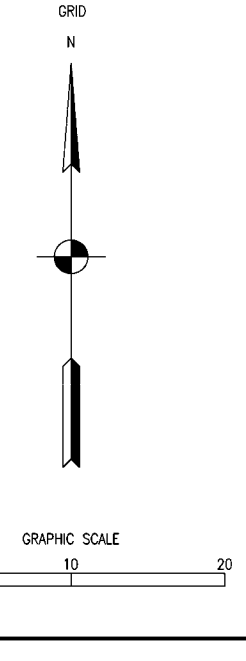
STATION	NORTH	EAST	MON EL	GR ELEV	DESCRIPTION
316A4	660,303.124	2,052,485.962	38.789		PK & WASHER
316A5	660,355.398	2,052,382.659	36.329		PK & WASHER

LEGEND

- CONTROL POINT
- MANHOLE
- GAS VALVE/GAS REGULATOR
- WATER VALVE
- FLOW INDICATOR
- IRRIGATION VALVE
- IRRIGATION SPRINKLER
- UTILITY POLE
- GUY WIRE
- FIRE HYDRANT
- TEST HOLE
- TREE (SIZE IF KNOWN)
- SHRUB
- CACTUS
- BUILDING
- GREASE TRAP
- WATER METER
- SEWER CLEANOUT
- TRANSFORMER ON PAD
- TRANSFORMER ON POLE
- A/C OR HEAT PUMP
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE
- GUARD POST
- GATE POST
- MONITORING WELL
- SIGN
- (10") US SURVEY FOOT EQUIVALENT
- STREET LIGHT
- SIDEWALK LIGHT
- 25.554 SPOT ELEVATION
- INTERMEDIATE CONTOUR (.25 METER)
- 24 INDEX CONTOUR
- ROAD (ASPHALT-CURBS-GUTTERS)
- 30 STORM DRAIN/CULVERT LINE
- 35 SANITARY SEWER LINE
- FENCE (TYPE NOTED IF KNOWN)
- T TELEPHONE LINE
- 19OP SINGLE PHASE OVERHEAD POWER
- 19UP SINGLE PHASE UNDERGROUND POWER
- ELECTRIC VAULT
- GAS VAULT
- COMMUNICATION VAULT
- WATER VAULT
- TELEPHONE VAULT
- JUNCTION BOX - E.S.B.
- ELECTRIC MANHOLE

ABBREVIATIONS

CONC - CONCRETE	E.S.B. - ELECTRIC SPLICE BOX
EL - ELEVATION	A/C - AIR CONDITIONER
INV - INVERT	DI - DROP INLET
MH - MANHOLE	S/S - SANITARY SEWER
VCP - VITRIFIED CONCRETE PIPE	BT - BLACKTOP
CMP - CORRUGATED METAL PIPE	E - EAST
M/W - MONITORING WELL	W - WEST
XFMR - TRANSFORMER	N - NORTH
UG - UNDERGROUND	S - SOUTH



US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved
1	TEXT "NEW" CHANGED TO "EXIST."	12/3/03	JW MK
2	CORRECTED ELEVATIONS ON SEWER MANHOLE AND INVERT	12/15/03	JW MK

Designed by: Michael Kindle
Drawn by: R.Stewardson
Reviewed by: D. Salter
Submitted by: /s/ Thomas W. Fox, Chief, Geology & Mapping Section

Date: 28 AUG 2003
Spec No.: 1319
Design file no.: 131-25-1333
Drawing Code: 35R
File name: B37N-10Mxxx.dwg
Plot date:
Dwg scale: 1 : 25
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 'J' STREET
SACRAMENTO, CA 95814-2922

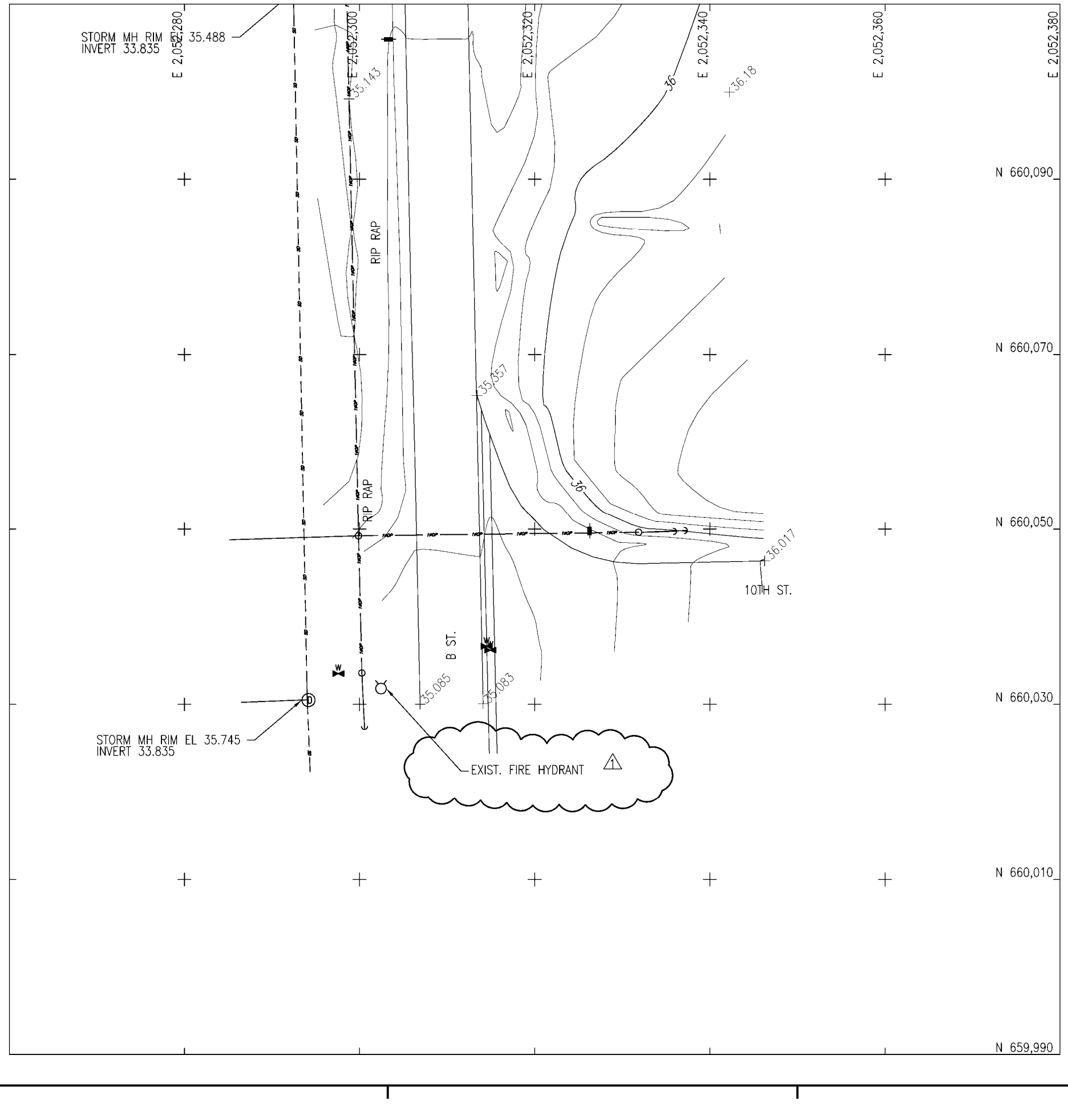
CALIFORNIA
BEALE AIR FORCE
GLOBAL HAWK DORMITORY (96 PERSON)
PN. BAEY051001
BUILDING 24109
TOPOGRAPHY

Sheet reference number:
V1.04
AM-04

Mapping Unit (S/S) No.: 03-16
Mapping Unit Sheet No.: 5 of 10
Reference - Mapping Unit file no.: 131-13-1345

Border Revised: 06/20/02, CDSHADLEMG

MATCH TO SHEET V1.06



SURVEY NOTES

1. GRID COORDINATES ARE IN METERS AND REFER TO THE CALIFORNIA STATE COORDINATE SYSTEM ZONE 2, NAD 83, AND ARE BASED ON STATIONS 9473, 131-294, 2016-F, 9666-1D.
2. ELEVATIONS ARE IN METERS AND REFER TO NGVD 1929, AND ARE BASED ON STATIONS 9473, 131-294, 2016-F, HV2.
3. TOPOGRAPHY BY GROUND SURVEY METHODS. FIELD SURVEY DATE MARCH 2003.
4. ORIGINAL SURVEY SHOWN ON DRAWING FILE NO. 131-13-1345.
5. COMBINED FACTOR IS 0.999906070 FROM GRID TO SURFACE.

CONTROL TABULATION

STATION	NORTH	EAST	MON EL	GR ELEV	DESCRIPTION

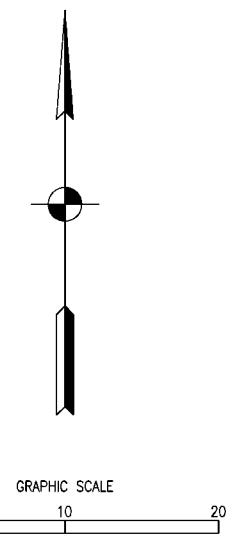
LEGEND

- CONTROL POINT
- MANHOLE
- GAS VALVE/GAS REGULATOR
- WATER VALVE
- FLOW INDICATOR
- IRRIGATION VALVE
- IRRIGATION SPRINKLER
- UTILITY POLE
- GUY WIRE
- FIRE HYDRANT
- TEST HOLE
- TREE (SIZE IF KNOWN)
- SHRUB
- CACTUS
- BUILDING
- GREASE TRAP
- WATER METER
- SEWER CLEANOUT
- TRANSFORMER ON PAD
- TRANSFORMER ON POLE
- A/C OR HEAT PUMP
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE
- GUARD POST
- GATE POST
- MONITORING WELL
- SIGN
- (10") US SURVEY FOOT EQUIVALENT
- STREET LIGHT
- SIDEWALK LIGHT
- 25.554 SPOT ELEVATION
- INTERMEDIATE CONTOUR (.25 METER)
- 24 INDEX CONTOUR
- ROAD (ASPHALT-CURBS-GUTTERS)
- SD STORM DRAIN/CULVERT LINE
- SS SANITARY SEWER LINE
- FENCE (TYPE NOTED IF KNOWN)
- T TELEPHONE LINE
- 1ΦOP SINGLE PHASE OVERHEAD POWER
- 1ΦUP SINGLE PHASE UNDERGROUND POWER
- ELECTRIC VAULT
- GAS VAULT
- COMMUNICATION VAULT
- WATER VAULT
- TELEPHONE VAULT
- JUNCTION BOX - E.S.B.
- ELECTRIC MANHOLE

ABBREVIATIONS

CONC - CONCRETE	E.S.B. - ELECTRIC SPLICE BOX
EL - ELEVATION	A/C - AIR CONDITIONER
INV - INVERT	DI - DROP INLET
MH - MANHOLE	S/S - SANITARY SEWER
VCP - VITRIFIED CONCRETE PIPE	BT - BLACKTOP
CMP - CORRUGATED METAL PIPE	E - EAST
M/W - MONITORING WELL	W - WEST
XFMR - TRANSFORMER	N - NORTH
UG - UNDERGROUND	S - SOUTH

GRID



GRAPHIC SCALE

0 5 10 20

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved
	Text "NEW" CHANGED TO "EXIST."	12/3/03	12/5/03

Mapping Unit (S/S) No.: 03-16

Date: 28 AUG 2003
Design file no: 131-25-1333
Drawing Code: 35%
File name: B3JV-109xxx.dwg
Plot date:
Dwg scale: 1 : 25

Designed by: Michael Kindle
Spec No: 1319
Drawn by: R.Stewardson
Reviewed by: D. Salter
Submitted by: /s/ Thomas W. Fee
Chief, Geology & Mapping Section

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

CALIFORNIA
BEALE AIR FORCE
GLOBAL HAWK DORMITORY (96 PERSON)
PN BAEY051001
BUILDING 24109
TOPOGRAPHY

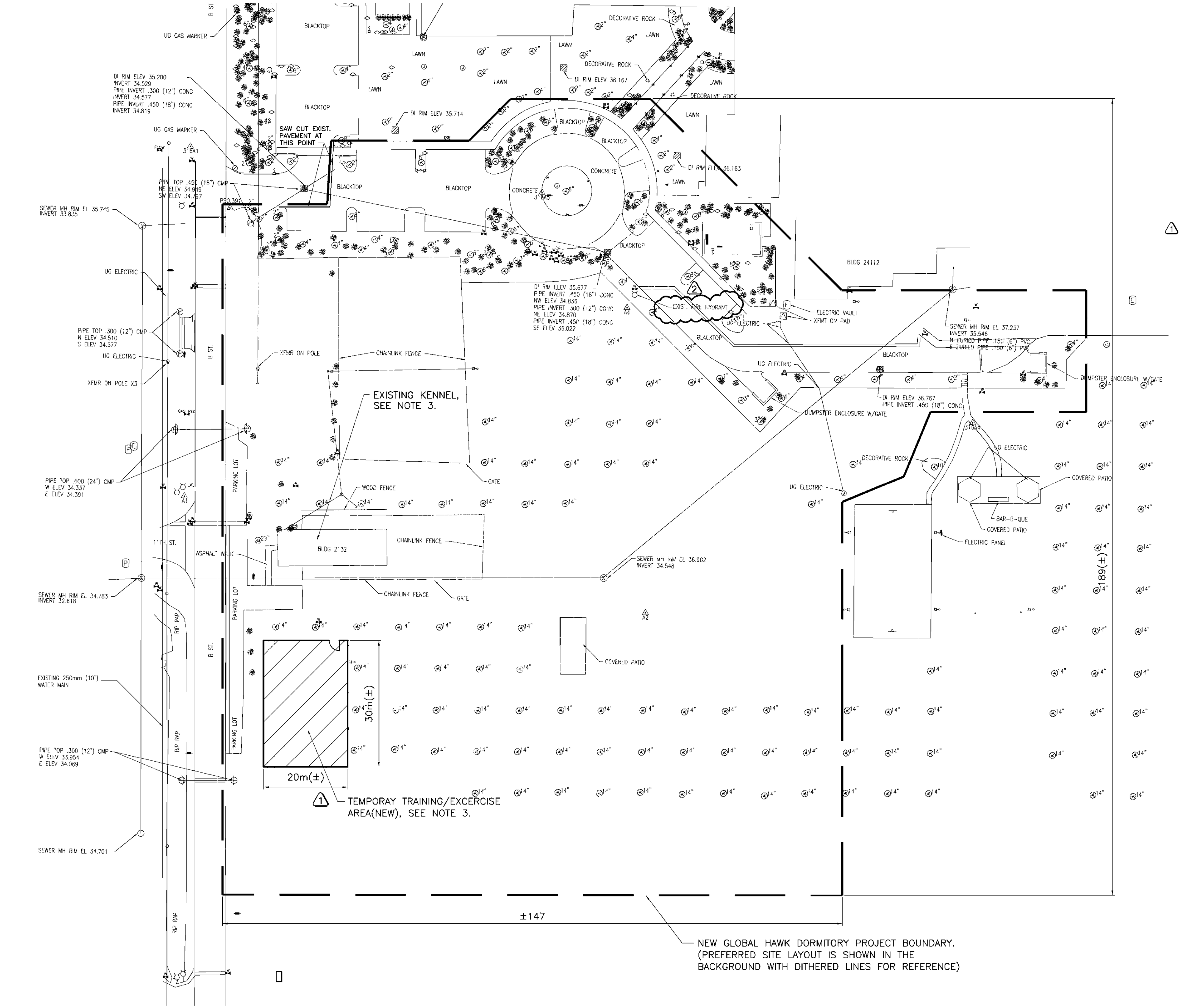
Sheet reference number:
V1.09

AM-04

Reference - Mapping Unit file no.: 131-13-1345

Mapping Unit Sheet No.: 10 of 10

Border Revised 06/20/02, CSEPATALOG



GENERAL DEMOLITION NOTES:

1. ALL EXISTING UTILITIES, STRUCTURES, FENCES, PAVEMENT, CURBS, SIDEWALKS, PARKING LOT, ETC., WITHIN THE BOUNDARY OF NEW GLOBAL HAWK DORMITORY SITE AS SHOWN ON THIS SHEET SHALL BE REMOVED/RELOCATED AS REQUIRED, U.O.N. THE ITEMS TO BE REMOVED/RELOCATED FOR THE FINAL SITE DESIGN SHALL BE INDICATED ON THE FINAL DEMOLITION PLAN(S) FOR APPROVAL BY CONTRACTING OFFICER PRIOR TO DEMOLITION. SEE LANDSCAPE PLAN(S) FOR ADDITIONAL DEMOLITION REQUIRED FOR THE SITE. CONTRACTOR (DESIGN-BUILD) SHALL PERFORM ADDITIONAL SURVEY AS REQUIRED FOR THE FINAL DESIGN.

2. CONTRACTOR SHALL REMOVE THE INOPERABLE FIRE HYDRANTS IN THE EXISTING KENNEL TRAINING/EXCERCISE AREA, AND TRANSPORT THEM TO NEW KENNEL TO BE REUSED.

△1 3. THE EXISTING MWD KENNEL (BLDG 2132) SHALL BE REMAIN FUNCTIONAL UNTIL THE NEW KENNEL CONSTRUCTION IS COMPLETED AND FULLY OPERATIONAL. A TEMPORARY TRAINING/EXCERCISE AREA FOR MWD SHALL BE CONSTRUCTED AT THE LOCATION SHOWN WITH THE SIZE INDICATED PRIOR TO DEMOLITION OF EXISTING TRAINING AND EXERCISE YARDS (THE EXACT LOCATION TO BE COORDINATED WITH THE KENNEL MASTER THROUGH CONTRACTING OFFICER). THE CONTRACTOR SHALL NOTIFY THE KENNEL MASTER THE DEMOLITION OF EXISTING YARDS AND FENCES A MINIMUM OF THREE (3) WEEKS PRIOR TO START OF DEMOLITION. THE FENCE FOR THE TEMPORARY TRAINING/EXCERCISE AREA SHALL BE 3 METERS (10 FT) IN HEIGHT WITH A 2.44-METER (8 FT.) WIDE GATE IN NORTHEAST CORNER. THE CONTRACTOR MAY REUSE THE EXISTING FENCE FABRICS AND GATES. THE TEMPORARY FENCE SHALL BE REMOVED AT THE SAME TIME THE EXISTING KENNEL (BLDG 2132) IS DEMOLISHED.

GRAPHIC SCALE
1:500 0 5 25 50
(ALL DIMENSIONS SHOWN ARE IN METERS U.O.N.)

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved
2	TOPO INFO. REVISED (CHANGED "NEW ..." TO "EXIST. ...")	12/3/03	12/3/03
1	Revised note and drawing for Temporary Dog Training/Excercise Area	11/19/03	11/21/03

Designed by: D.SHIN
Date: 22 SEPT 2003
Rev.
Dwn by: DS
Spec No.: 1319
Design file no: 131-25-1333
Reviewed by:
Drawing Code: 35%
Submitted by: /s/ R. Simmons
Chief, Civil/Struc Des. Sec.
File name: B33C-110AM04.dwg
Plot date: 12/03/03, 11:28:28
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

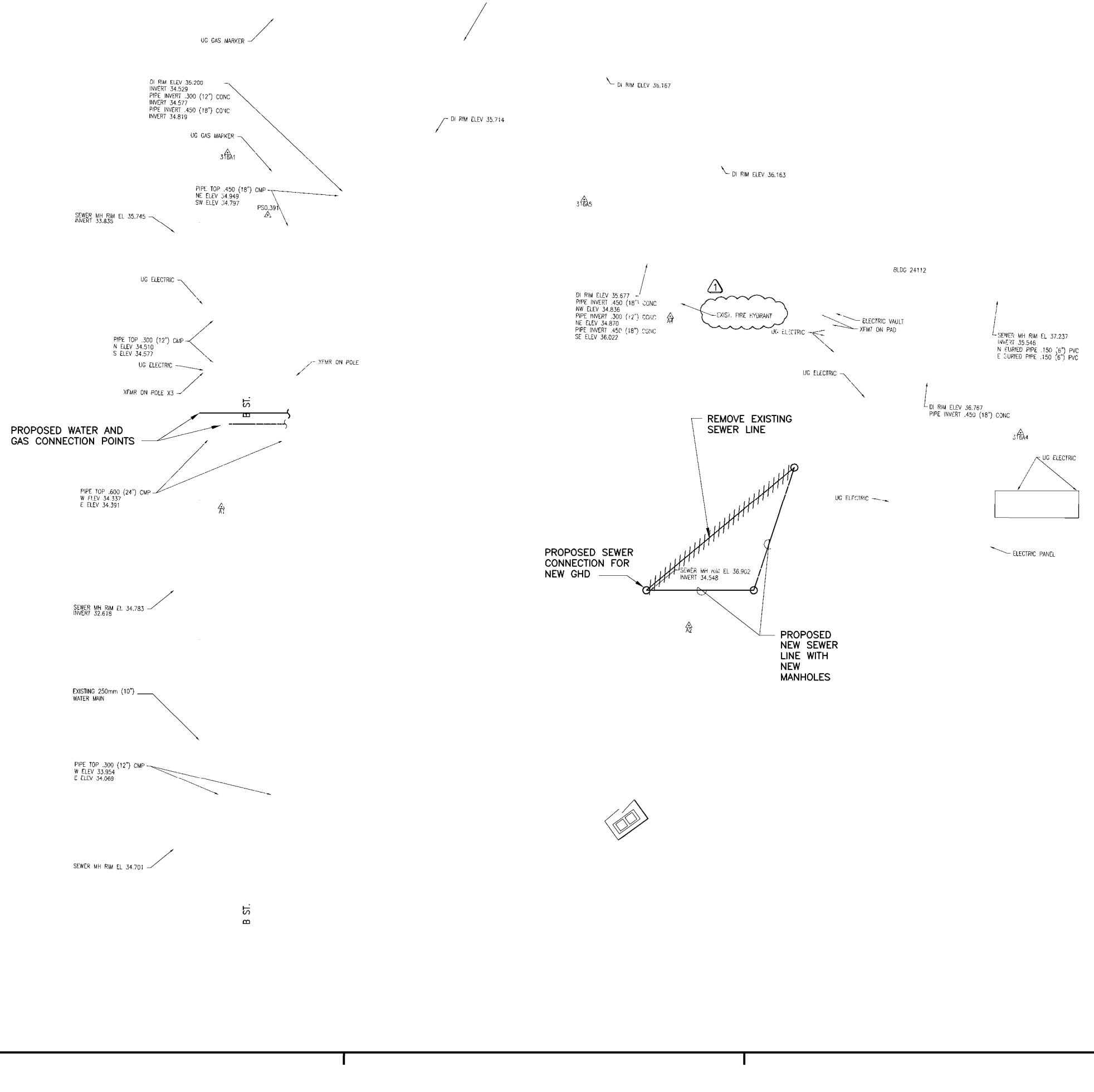
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 'J' STREET
SACRAMENTO, CA 95814-2922

BEALE AIR FORCE BASE CALIFORNIA
GLOBAL HAWK DORMITORY (96 PERSON)
PN BAEY051001
BUILDING 24109
EXISTING UTILITIES & DEMOLITION PLAN

Sheet reference number:
C1.10

AM-04

\\Emerald\MilCad\Beale\GlobalHawkDorm\cadd(DORM)\civil\B33C-110AM04.dwg, scale:As Noted, 12/03/03, 11:28:28, by:DS



GENERAL UTILITIES NOTES:

1. THE EXISTING STORM DRAINAGE SYSTEM ON THE PROJECTS SITE SHALL BE MODIFIED AND RELOCATED AS NEEDED PER FINAL SITE AND GRADING PLANS.

2. NEW FIRE HYDRANTS SHALL BE PROVIDED IN ACCORDANCE WITH THE CRITERIA SPECIFIED IN THE SPECIFICATION SECTIONS 01010 & 01011 OF THE RFP DOCUMENTS.

N

GRAPHIC SCALE

1:500 0 5 25 50

(ALL DIMENSIONS SHOWN ARE IN METERS U.O.N.)

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date
1	TOPO INFO REVISED; TEXT CHANGED FROM "NEW" TO "EXIST."	12/3/03

Approved

Rev.

Date: 22 SEPT 2003
Design file no: 131-25-1333
Drawing Code: 35%
File name: B33C-130AM04.dwg
Plot date: 12/03/03, 10:31:26
Dwg scale: AS NOTED

Designed by: D. Sisk
Drn by: DS
Reviewed by:
Submitted by: /s/ R. Simmons
Chief, Civil/Proc Des. Sec.

Spec No.: 1319

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 "J" STREET
SACRAMENTO, CA 95814-2922

BEALE AIR FORCE BASE CALIFORNIA
GLOBAL HAWK DORMITORY (96 PERSON)
PN BAEY051001
BUILDING 24109
UTILITY PLAN

Sheet reference number:
C1.30

AM-04

Border Revised 06/20/02, 0353HM2.DWG

\\Emerald\MilCad\Beale\GlobalHawkDorm\cadd(DORM)\civil\B33C-130AM04.dwg, scale:As Noted, 12/03/03, 10:31:26, by:DS